

FIG.1

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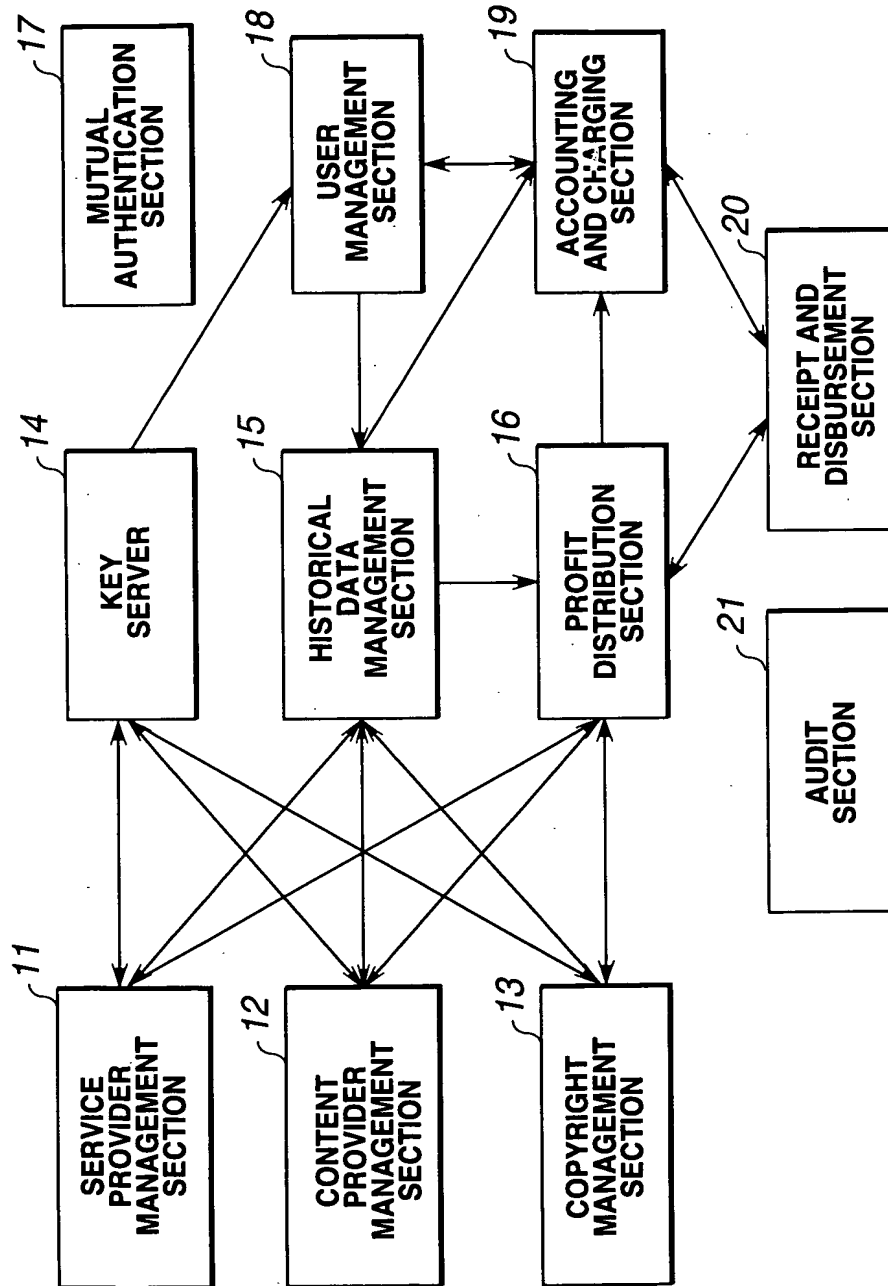


FIG.2

FIG. 3

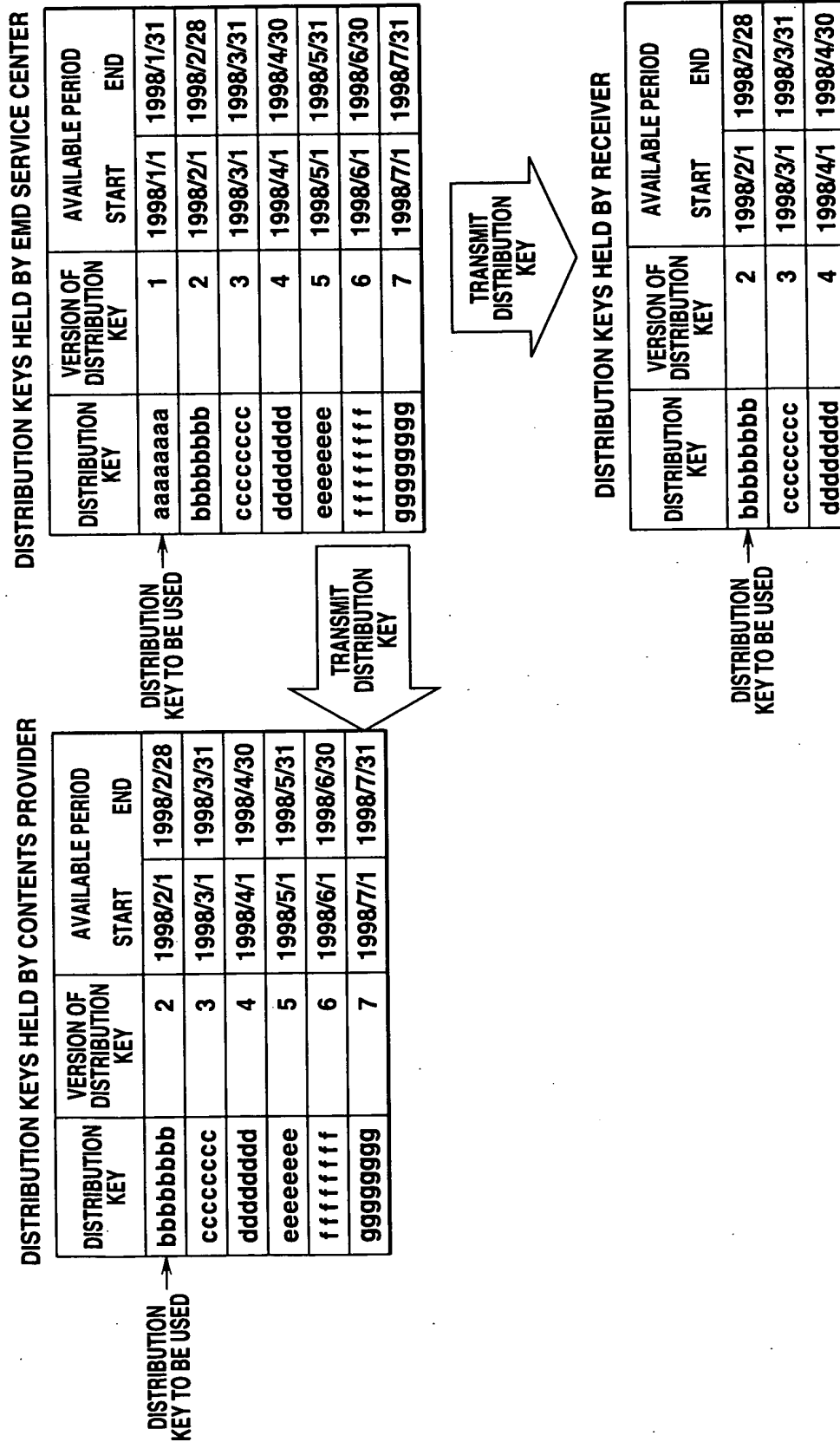


FIG. 4

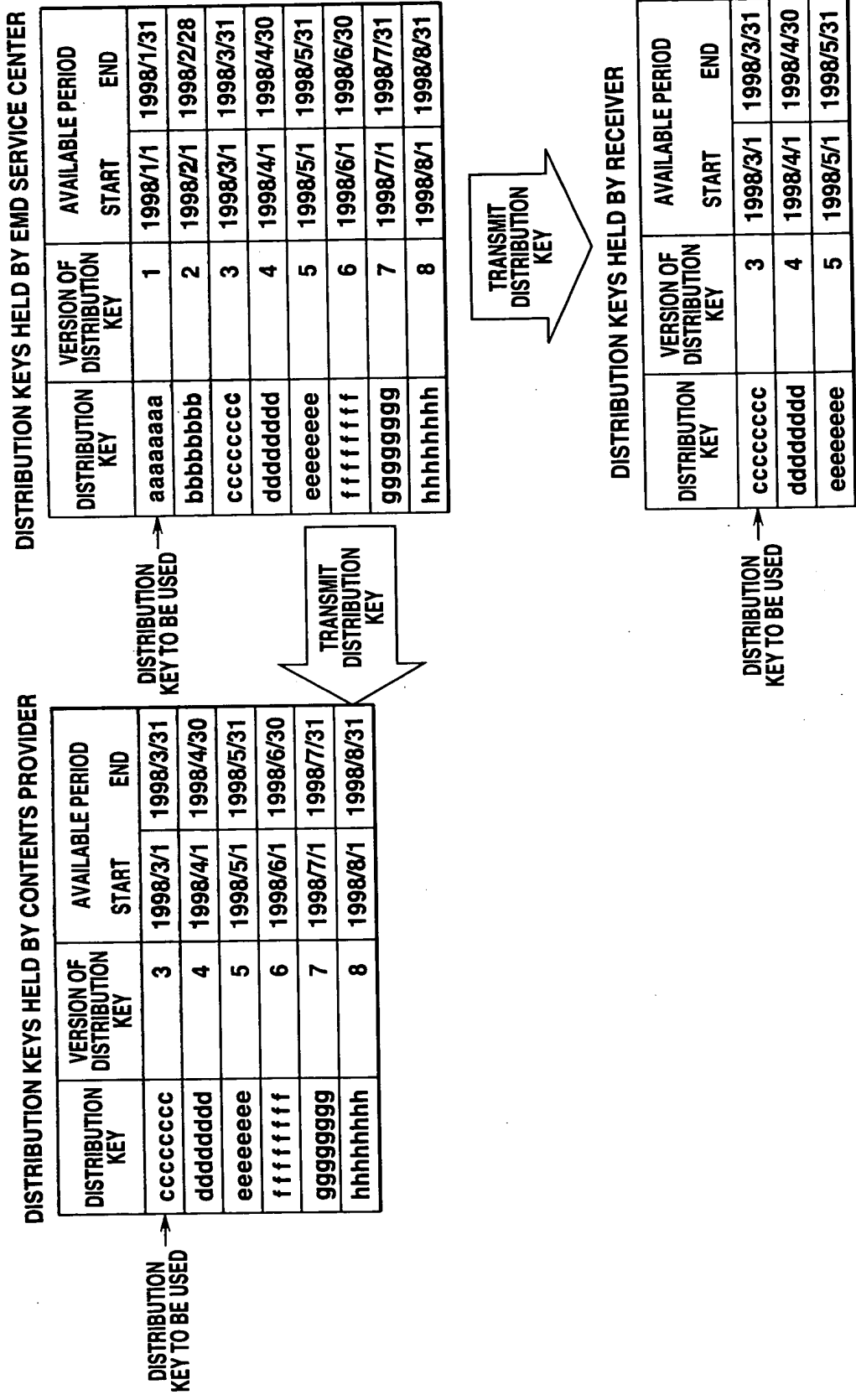


FIG.5

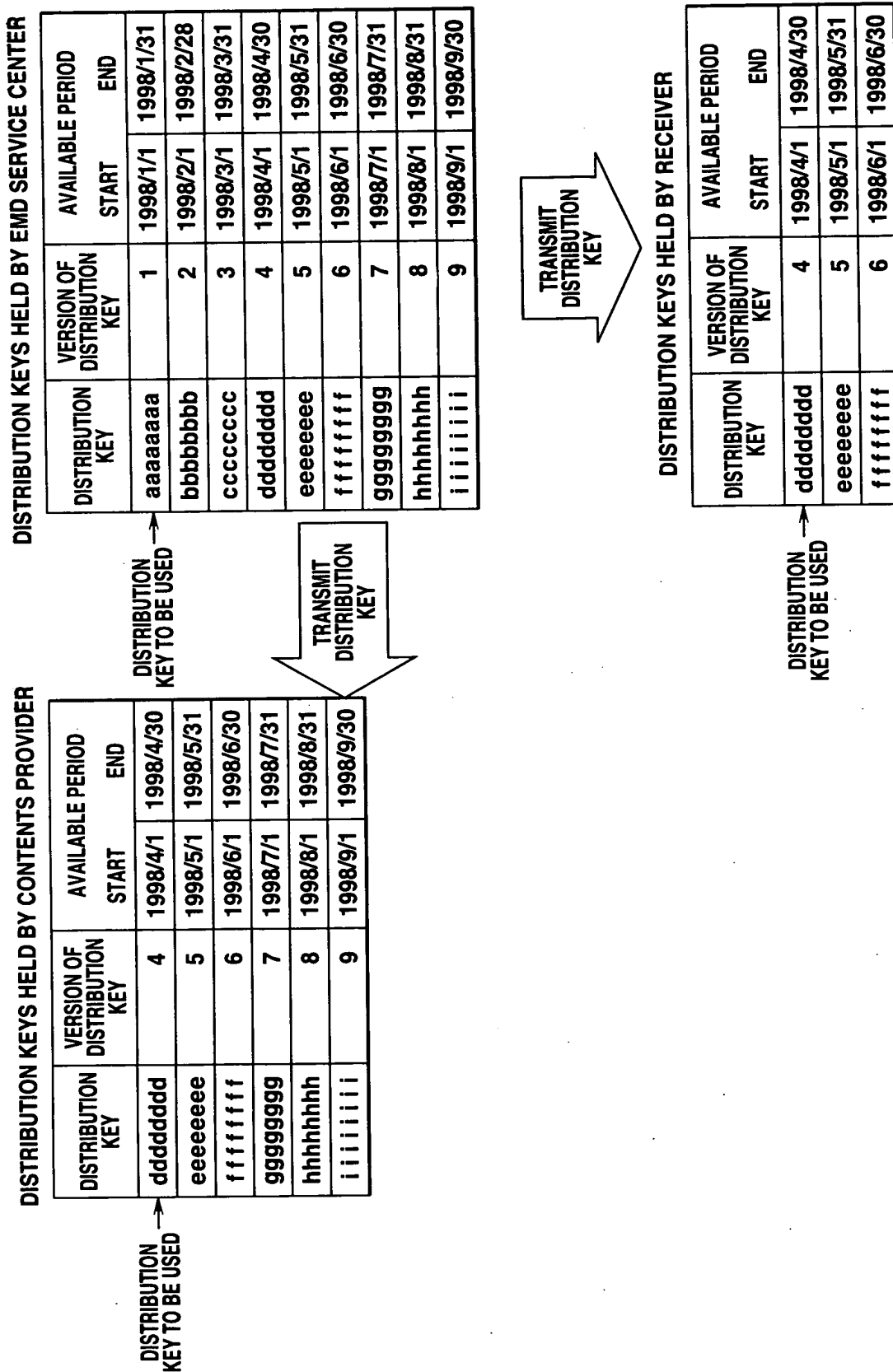


FIG. 6

ID	SETTLEMENT PROCESSING	REGISTRATION	CONNECTION WITH EMD SERVICE CENTER
0000000000000001h	POSSIBLE	POSSIBLE	POSSIBLE
0000000000000002h	POSSIBLE	POSSIBLE	IMPOSSIBLE
0000000000000003h	POSSIBLE	IMPOSSIBLE	POSSIBLE
0000000000000004h	POSSIBLE	IMPOSSIBLE	IMPOSSIBLE
0000000000000005h	IMPOSSIBLE	POSSIBLE	POSSIBLE
0000000000000006h	IMPOSSIBLE	POSSIBLE	IMPOSSIBLE
0000000000000007h	IMPOSSIBLE	IMPOSSIBLE	POSSIBLE
0000000000000008h	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE
0000000000000009h	POSSIBLE	POSSIBLE	POSSIBLE
. . .			
FFFFFFFFFFFFFFFFFEh	POSSIBLE	IMPOSSIBLE	IMPOSSIBLE
FFFFFFFFFFFFFFFFFh	IMPOSSIBLE	POSSIBLE	POSSIBLE

FIG.7

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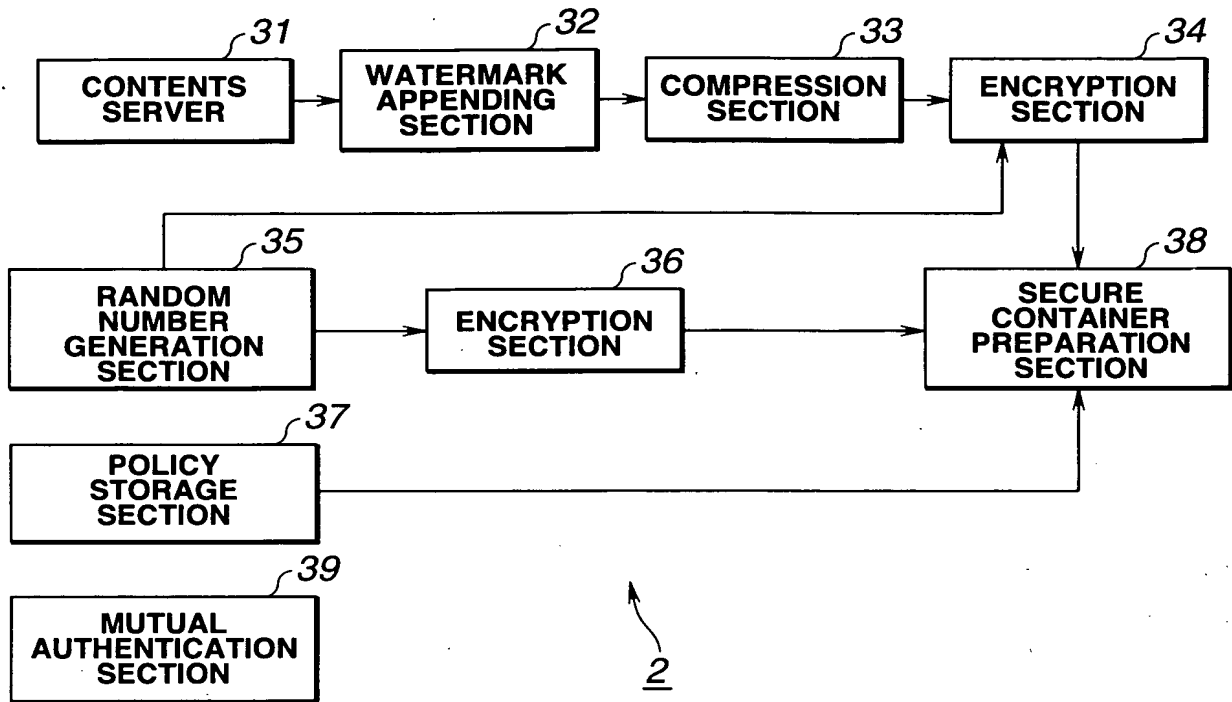


FIG. 8

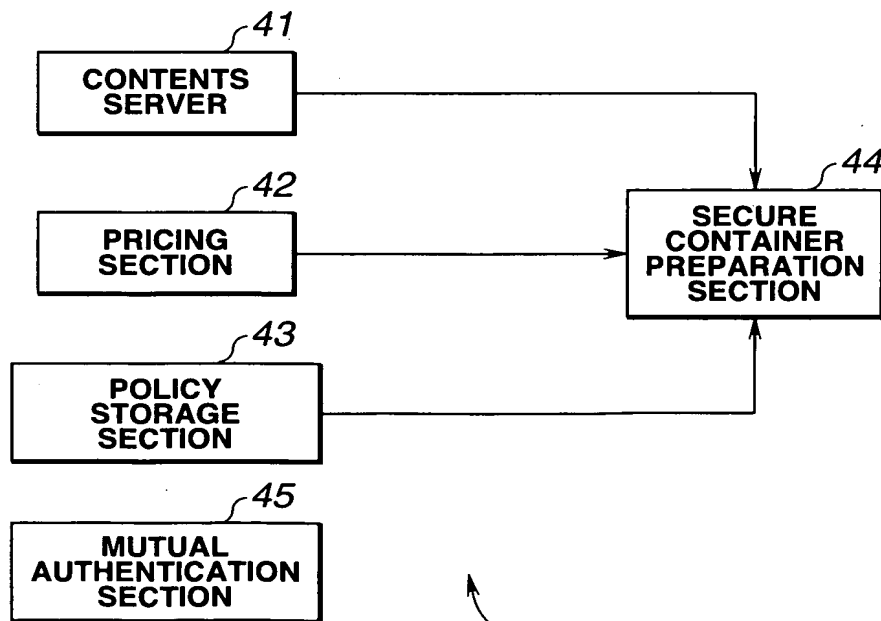


FIG. 9

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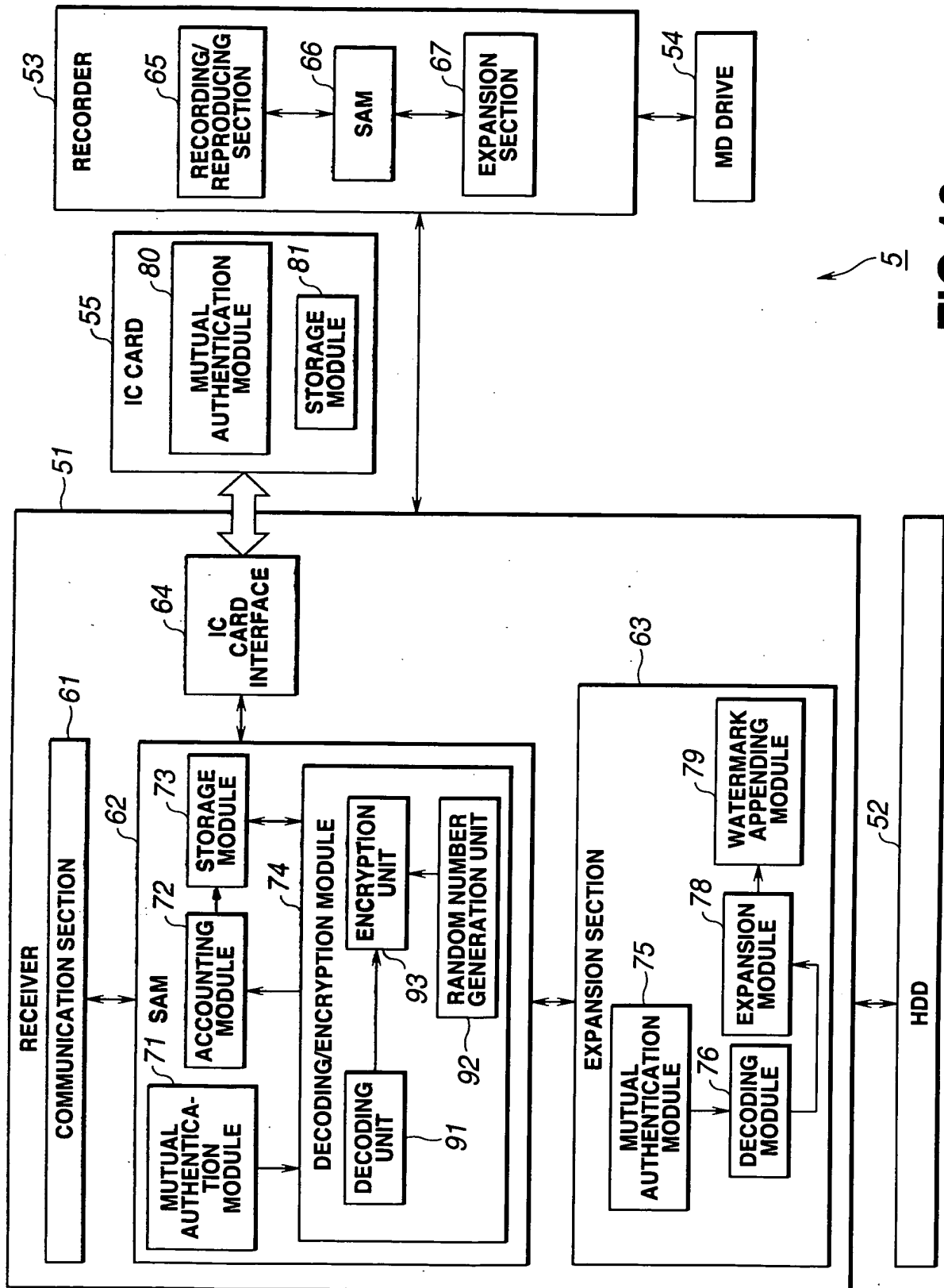


FIG.10



FIG. 11

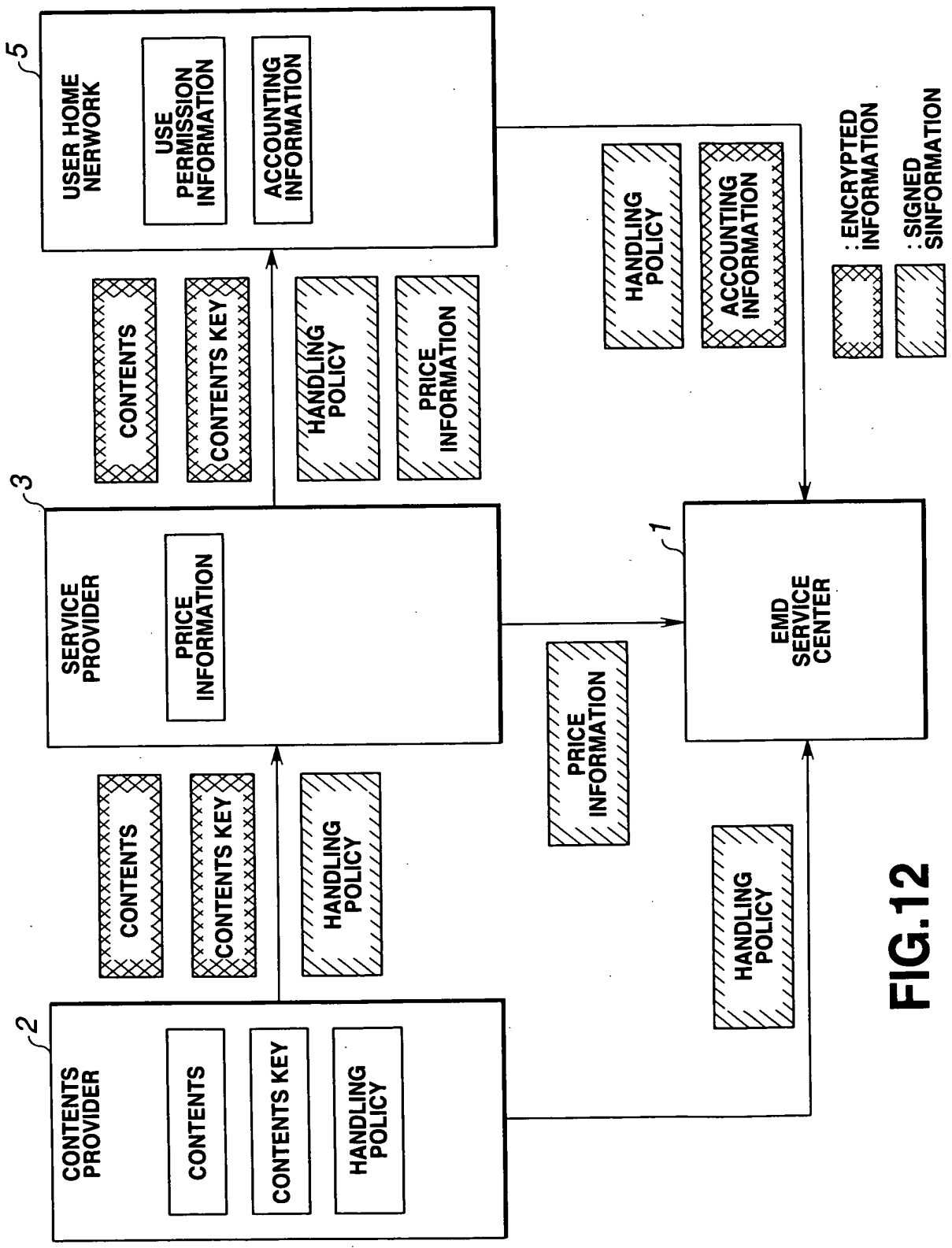


FIG.12

DocId:32572559

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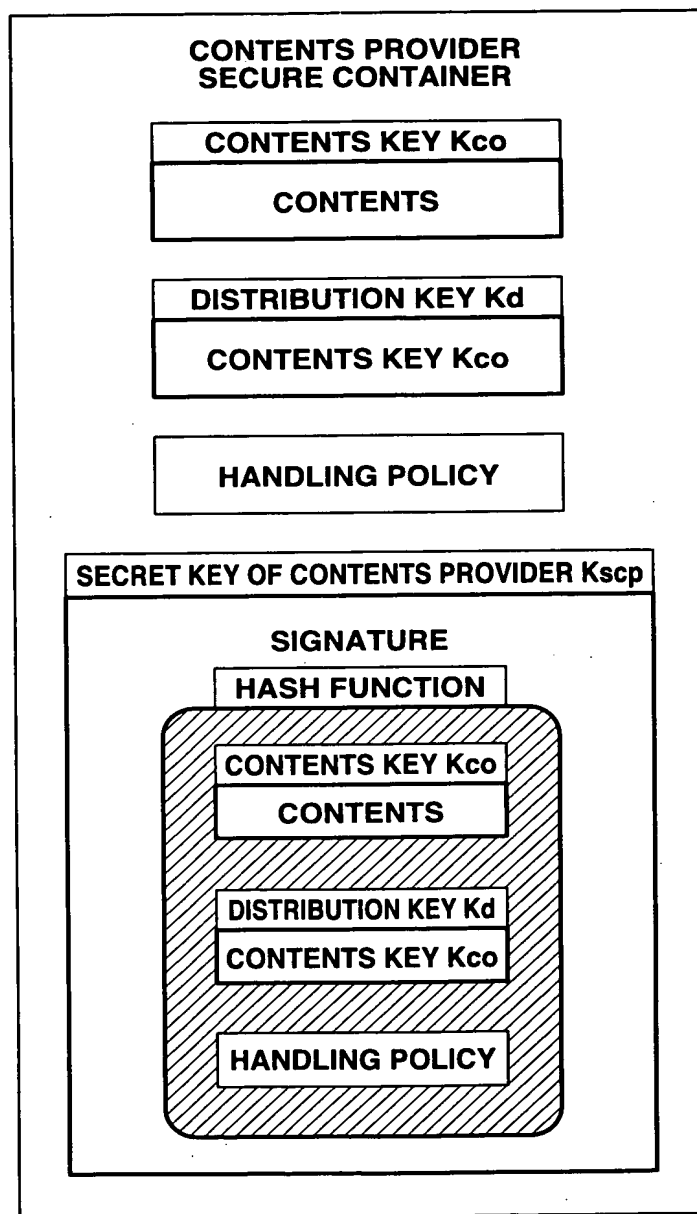


FIG.13

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CERTIFICATE OF CONTENTS PROVIDER**VERSION NUMBER OF CERTIFICATE****SERIAL NUMBER OF CERTIFICATE
ALLOCATED BY AUTHENTICATION STATION****ALGORITHM AND PARAMETER USED FOR SIGNATURE****NAME OF AUTHENTICATION STATION****EXPIRATION DATE OF CERTIFICATE****NAME OF CONTENTS PROVIDER (ID)****PUBLIC KEY OF CONTENTS PROVIDER Kpcp****SECRET KEY OF AUTHENTICATION STATION Ksca****SIGNATURE****HASH FUNCTION****VERSION NUMBER OF CERTIFICATE****SERIAL NUMBER OF
CERTIFICATE ALLOCATED BY
AUTHENTICATION STATION****ALGORITHM AND PARAMETER
USED FOR SIGNATURE****NAME OF AUTHENTICATION STATION****EXPIRATION DATE OF CERTIFICATE****NAME OF CONTENTS PROVIDER
(ID)****PUBLIC KEY OF
CONTENTS PROVIDER Kpcp****FIG.14**

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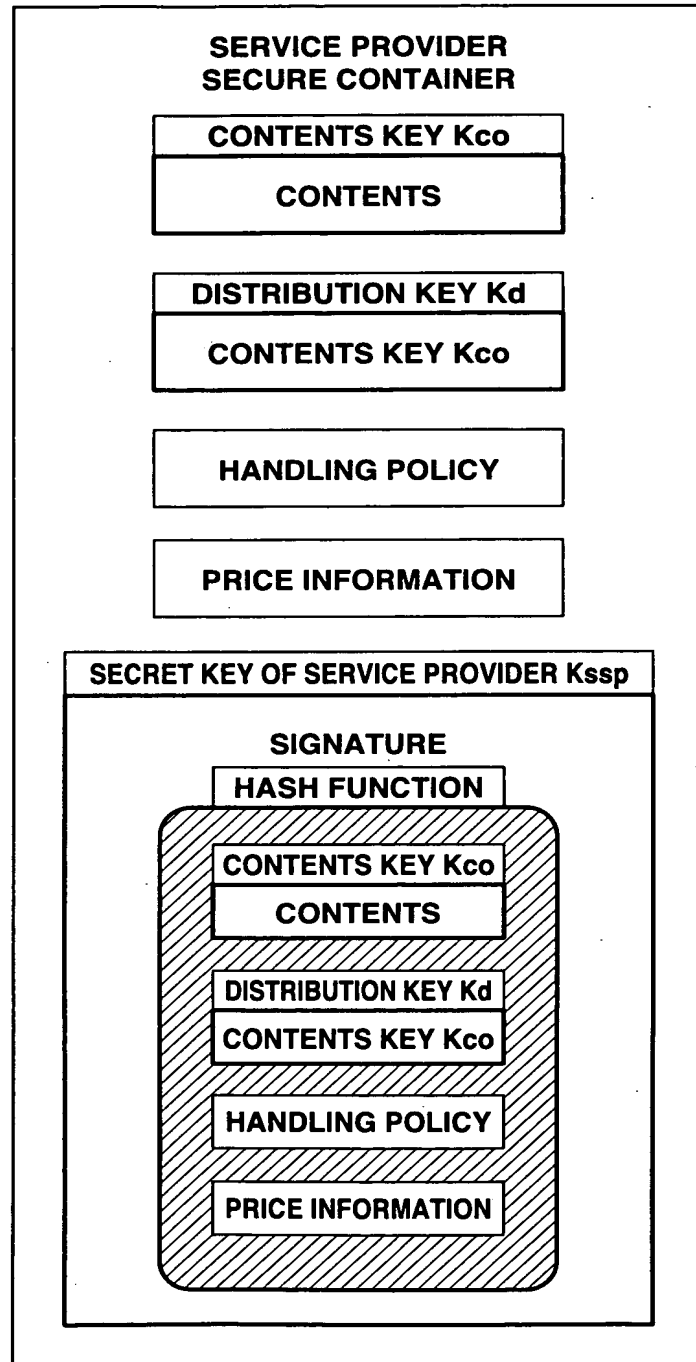


FIG.15

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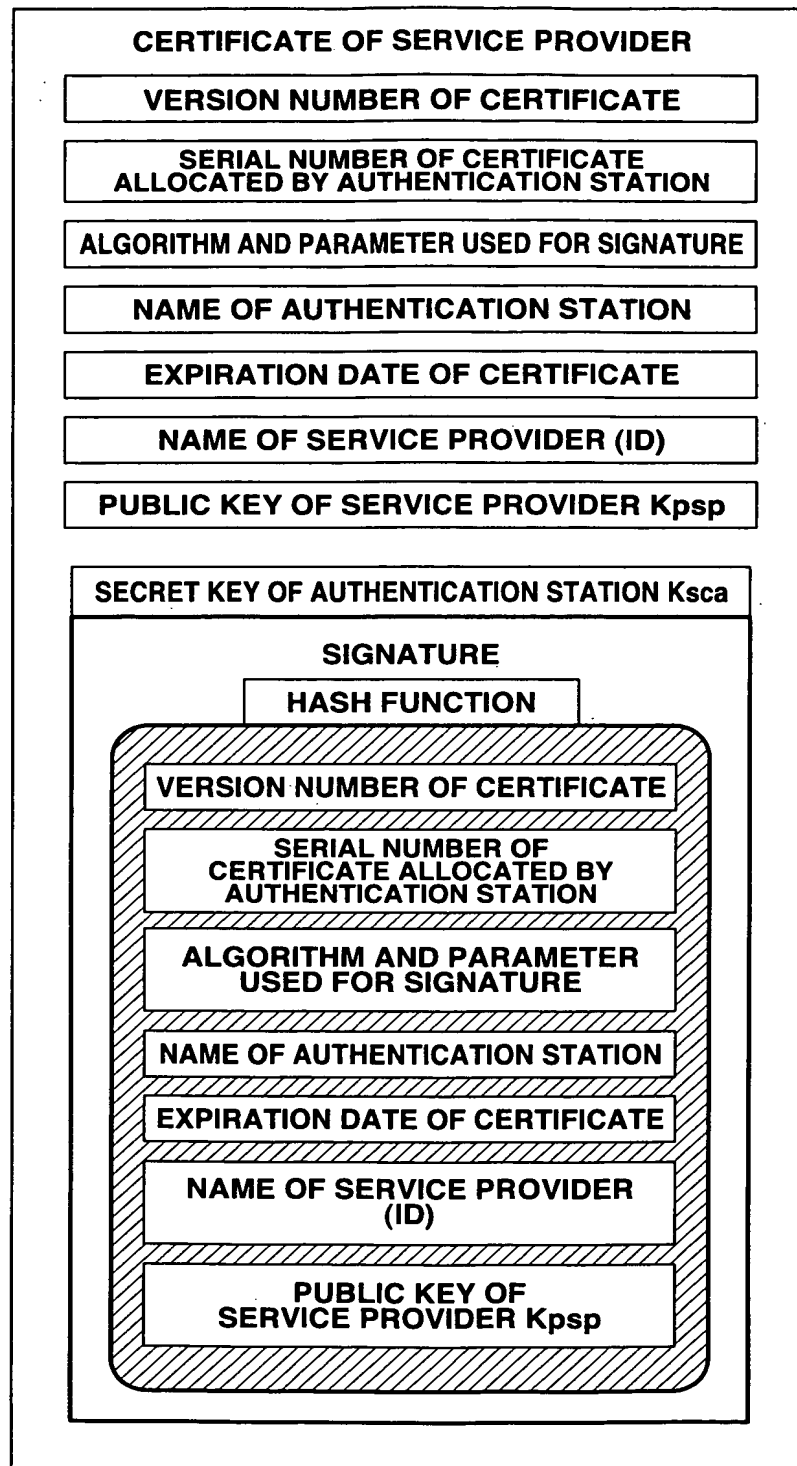


FIG.16

FIG.17A HANDLING POLICY

USE	PLAYBACK	SINGLE COPY	MULTIPLE COPY
AVAILABILITY	1	0	1

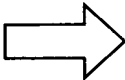


FIG.17B HANDLING POLICY AND PRICE INFORMATION

USE	PLAYBACK	SINGLE COPY	MULTIPLE COPY
AVAILABILITY	1	0	1
PRICE	150YEN	-	80YEN

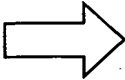


FIG.17C USE PERMISSION INFORMATION

USE	PLAYBACK	SINGLE COPY	MULTIPLE COPY
AVAILABILITY	1	0	0

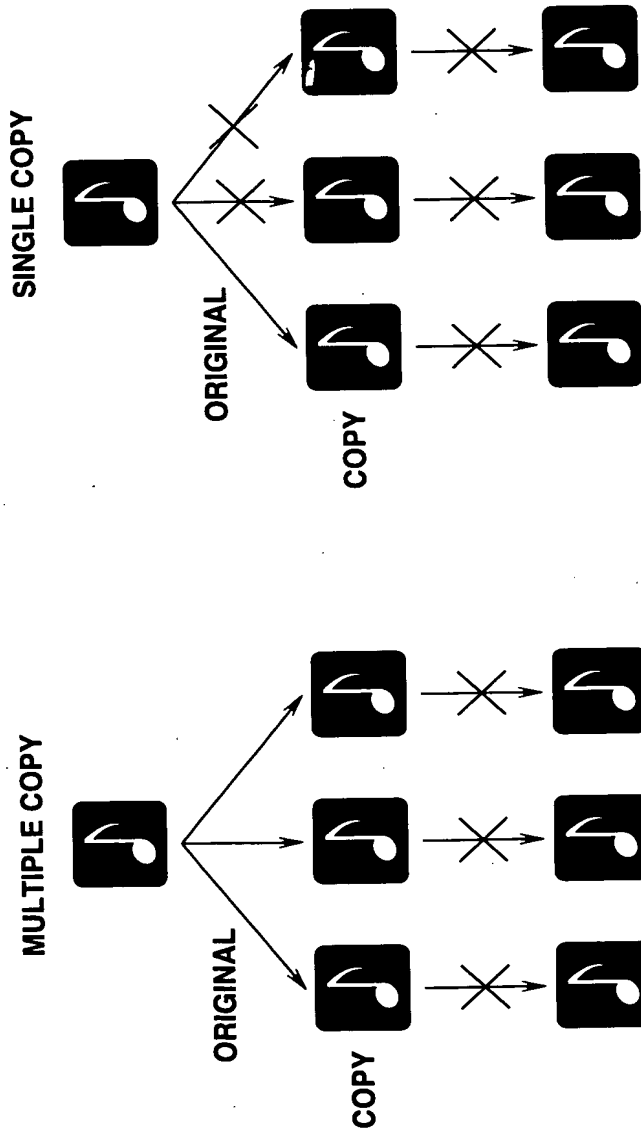
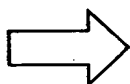


FIG.18B

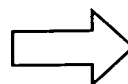
FIG.18A

USE	PLAYBACK	SINGLE COPY	MULTIPLE COPY
AVAILABILITY	1	0	1
PROFIT DISTRIBUTION	70YEN	-	40YEN



HANDLING POLICY, PROFIT DISTRIBUTION AND PRICE INFORMATION

USE	PLAYBACK	SINGLE COPY	MULTIPLE COPY
AVAILABILITY	1	0	1
PROFIT DISTRIBUTION	60YEN	-	30YEN
DISTRIBUTION PRICE	150YEN	-	80YEN



ACCOUNTING INFORMATION

USE	PLAYBACK	SINGLE COPY	MULTIPLE COPY
NUMBER OF TIMES OF USE	1	0	0

FIG.20A

HANDLING
POLICY AND
PRICE
INFORMATION

USE	PLAY BACK		
	UNLIMITED	LIMITED BY NUMBER OF TIMES	LIMITED BY DATE
	-	5	1998/12/31
PRICE	-	60 YEN	90 YEN

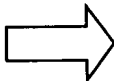


FIG.20B

USE
PERMISSION
INFORMATION

USE	PLAYBACK		
	UNLIMITED	LIMITED BY NUMBER OF TIMES	LIMITED BY DATE
	-	5	-

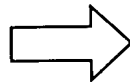


FIG.20C

USE
PERMISSION
INFORMATION

USE	PLAYBACK		
	UNLIMITED	LIMITED BY NUMBER OF TIMES	LIMITED BY DATE
	-	2	-

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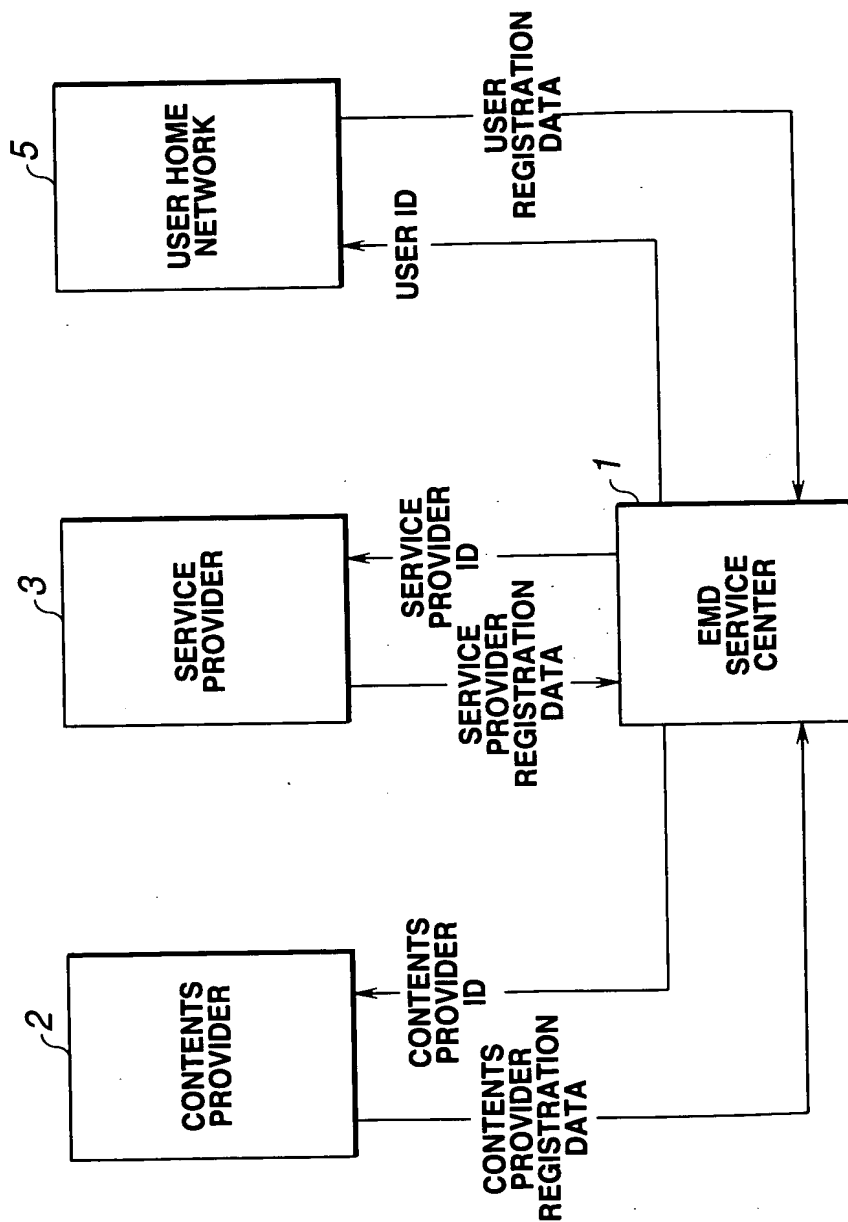


FIG.21

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CONTENTS ID	CONTENTS PROVIDER ID	ENTITLED ORGANIZATION
1	201	10%
2	201	20%

FIG.22

PROVIDER ID	CONTENTS ID	DISCOUNT RATE	PERIOD
CONTENTS PROVIDER 1	1	2%	1998.9~1998.12
	2	3%	
	ALL CONTENTS	1%	
CONTENTS PROVIDER 2	3	5%	
SERVICE PROVIDER 1	1	3%	
SERVICE PROVIDER 2	4	1%	

FIG.23

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MONTHLY FIXED RATE	VARIABLE RATE		
	PERIOD	1998.8~1998.9	-10%
1000YEN	FEE	3000YEN OR MORE	-5%

FIG.24

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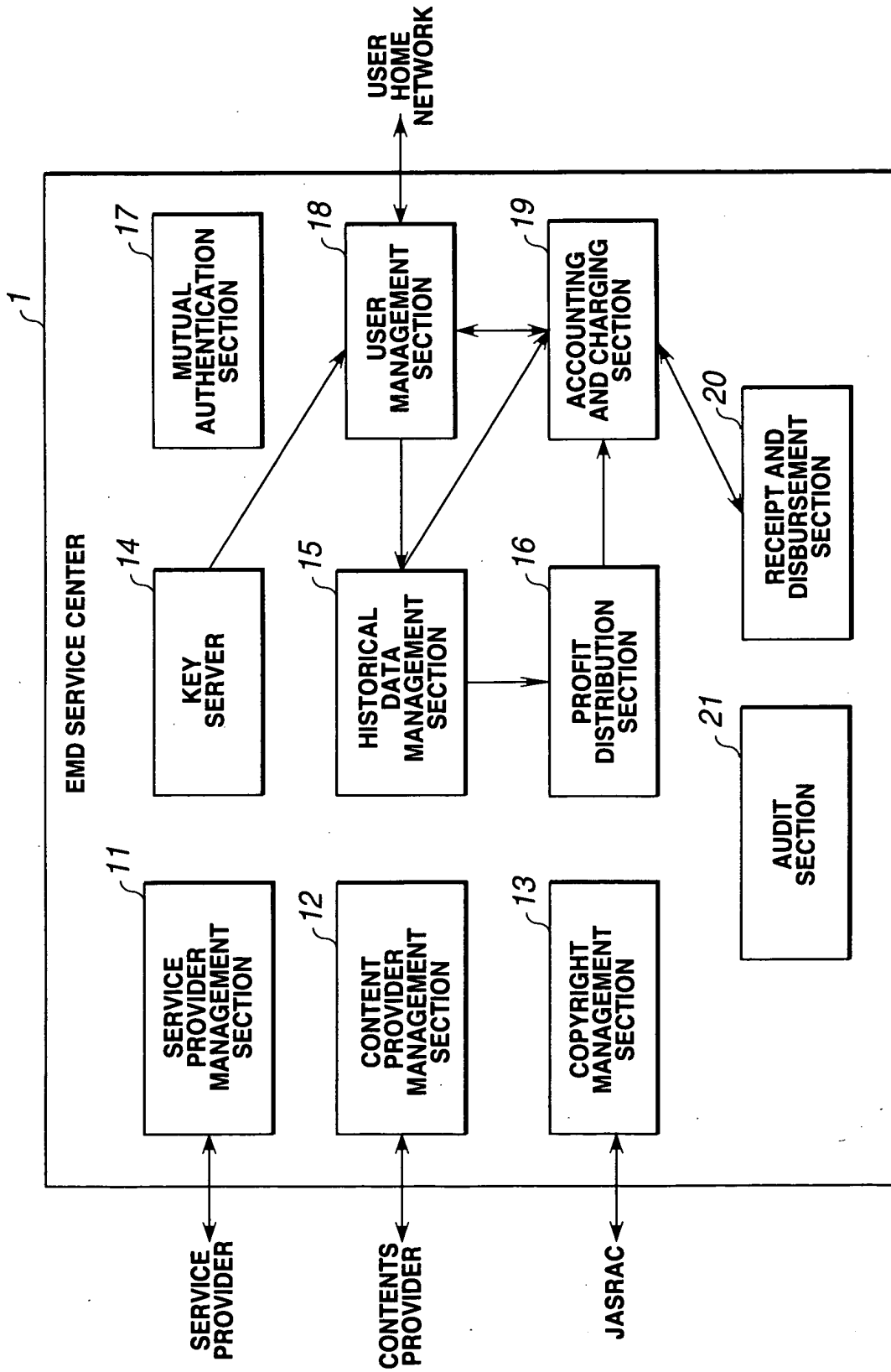


FIG.25

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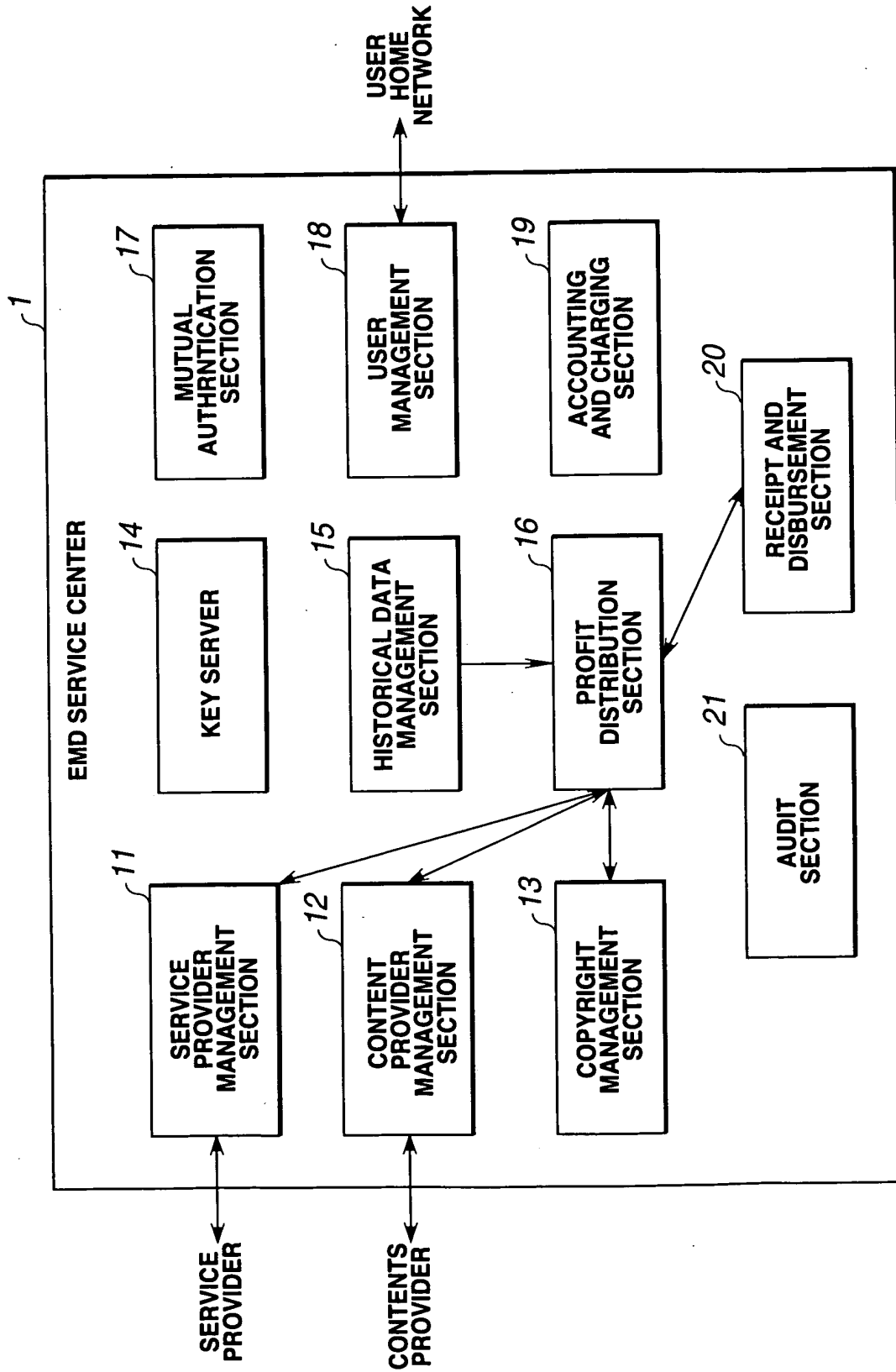


FIG.26

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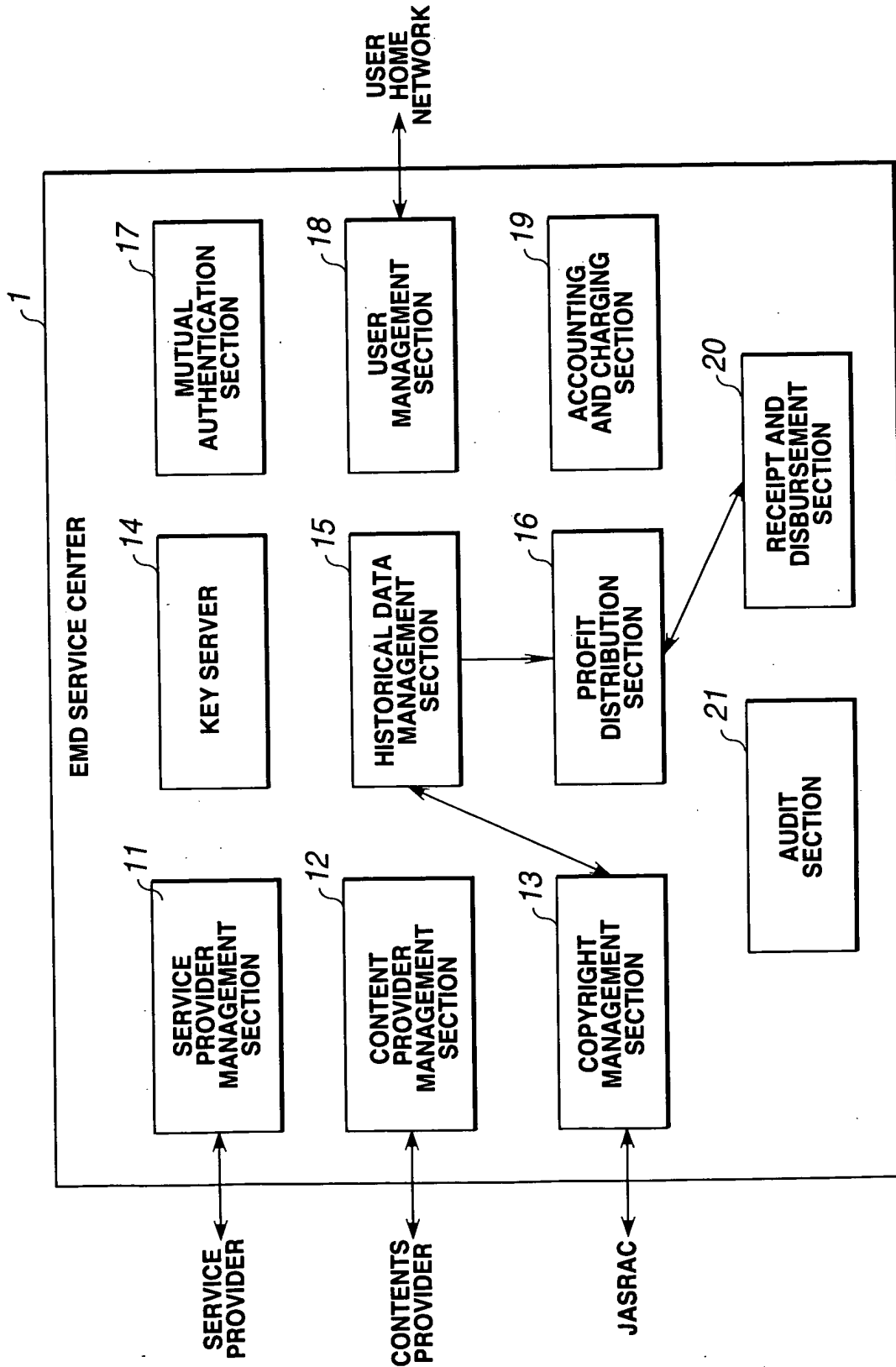


FIG.27



FIG. 28

KEY DATA BLOCK 1	CONTENTS KEY 1	CONTENTS ID 1	USE PERMISSION INFORMATION 1	CONTENTS KEY 2	CONTENTS ID 2	USE PERMISSION INFORMATION 2
KEY DATA BLOCK 2	CONTENTS KEY 3	CONTENTS ID 3	USE PERMISSION INFORMATION 3	CONTENTS KEY 4	CONTENTS ID 4	USE PERMISSION INFORMATION 4
KEY DATA BLOCK 3	CONTENTS KEY 5	CONTENTS ID 5	USE PERMISSION INFORMATION 5			
KEY DATA BLOCK 4				CONTENTS KEY 6	CONTENTS ID 6	USE PERMISSION INFORMATION 6
KEY DATA BLOCK 5						

FIG.29

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SECRET KEY				
ACCOUNTING INFORMATION				
SAVE KEY				
DISTRIBUTION KEY				
. . .				
CHECK VALUE 1	CHECK VALUE 2	CHECK VALUE 3	CHECK VALUE 4	CHECK VALUE 5

FIG.30

SECRET

KEY DATA BLOCK 1	CONTENTS KEY 1	CONTENTS ID 1	USE PERMISSION INFORMATION 1	CONTENTS KEY 2	CONTENTS ID 2	USE PERMISSION INFORMATION 2
KEY DATA BLOCK 2	CONTENTS KEY 3	CONTENTS ID 3	USE PERMISSION INFORMATION 3	CONTENTS KEY 4	CONTENTS ID 4	USE PERMISSION INFORMATION 4
KEY DATA BLOCK 3	CONTENTS KEY 5	CONTENTS ID 5	USE PERMISSION INFORMATION 5			
KEY DATA BLOCK 4				CONTENTS KEY 6	CONTENTS ID 6	USE PERMISSION INFORMATION 6
KEY DATA BLOCK 5						
	CHECK VALUE 1	CHECK VALUE 2	CHECK VALUE 3	CHECK VALUE 4	CHECK VALUE 5	

FIG.31

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SECRET KEY
ACCOUNTING INFORMATION
SAVE KEY
DISTRIBUTION KEY
CHECK KEY
...

FIG.32

00/000" 666T8560

KEY DATA BLOCK 1	CONTENTS KEY 1	CONTENTS ID 1	USE PERMISSION INFORMATION 1	CONTENTS KEY 2	CONTENTS ID 2	USE PERMISSION INFORMATION 2
KEY DATA BLOCK 2	CONTENTS KEY 3	CONTENTS ID 3	USE PERMISSION INFORMATION 3	CONTENTS KEY 4	CONTENTS ID 4	USE PERMISSION INFORMATION 4
KEY DATA BLOCK 3	CONTENTS KEY 5	CONTENTS ID 5	USE PERMISSION INFORMATION 5			
KEY DATA BLOCK 4	CONTENTS KEY 6	CONTENTS ID 6	USE PERMISSION INFORMATION 6			

FIG.33

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SECRET KEY			
SAVE KEY			
• • •			
CHECK VALUE 1	CHECK VALUE 2	CHECK VALUE 3	CHECK VALUE 4

FIG.34

KEY DATA BLOCK 1	CONTENTS KEY 1	CONTENTS ID 1	USE PERMISSION INFORMATION 1	CONTENTS KEY 2	CONTENTS ID 2	USE PERMISSION INFORMATION 2
KEY DATA BLOCK 2	CONTENTS KEY 3	CONTENTS ID 3	USE PERMISSION INFORMATION 3	CONTENTS KEY 4	CONTENTS ID 4	USE PERMISSION INFORMATION 4
KEY DATA BLOCK 3	CONTENTS KEY 5	CONTENTS ID 5	USE PERMISSION INFORMATION 5			
KEY DATA BLOCK 4	CONTENTS KEY 6	CONTENTS ID 6	USE PERMISSION INFORMATION 6			
	CHECK VALUE 1		CHECK VALUE 2	CHECK VALUE 3	CHECK VALUE 4	

FIG.35

SECRET KEY
CHECK KEY
SAVE KEY
...

FIG.36

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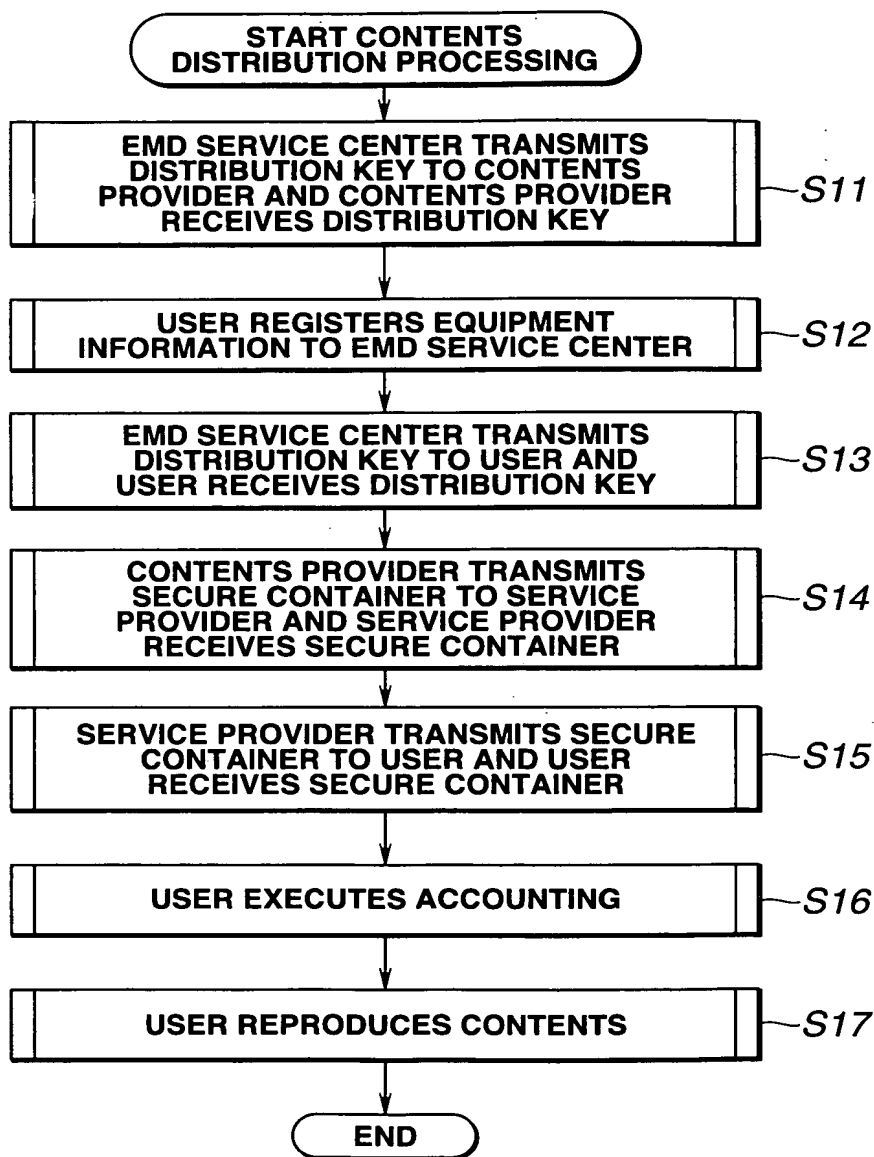


FIG.37

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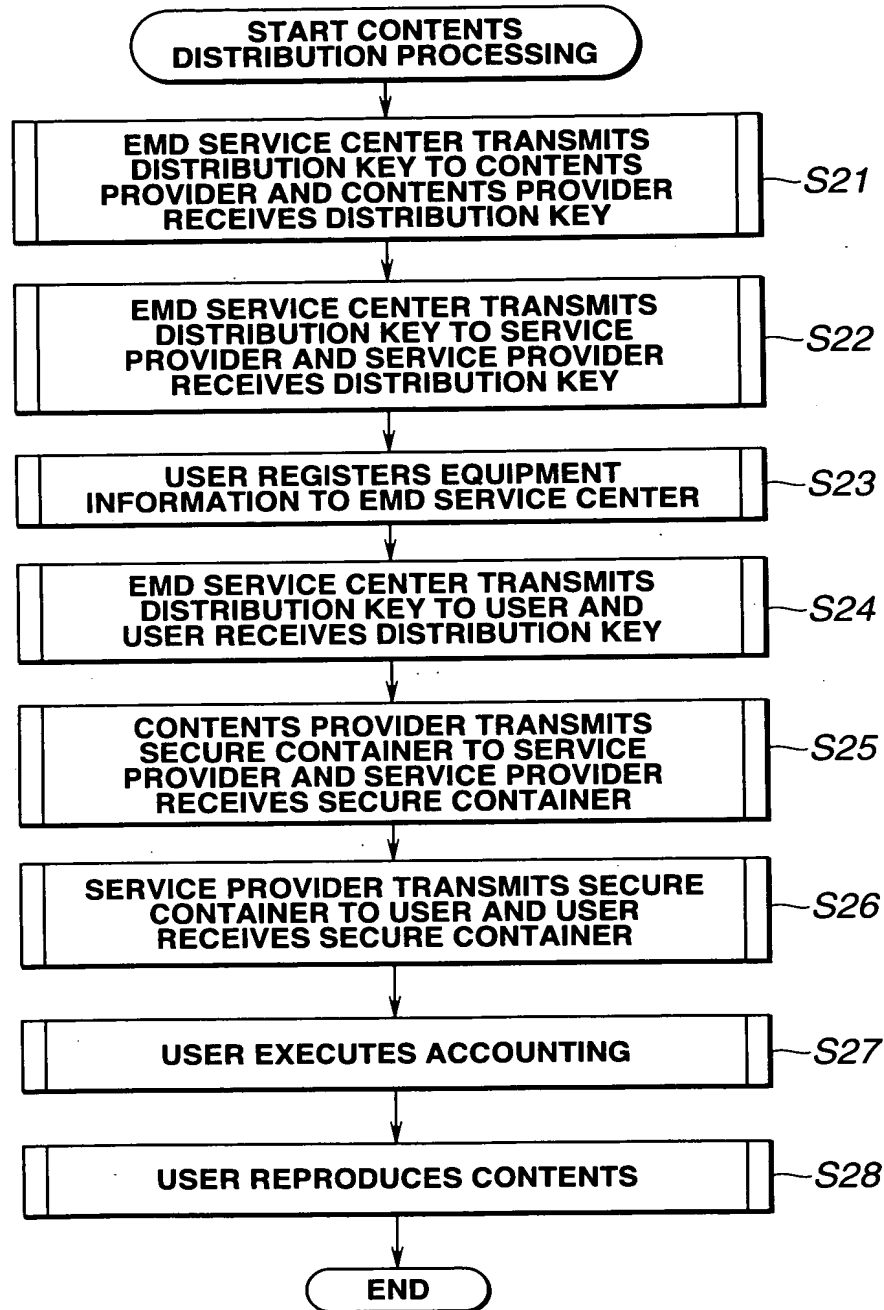


FIG.38

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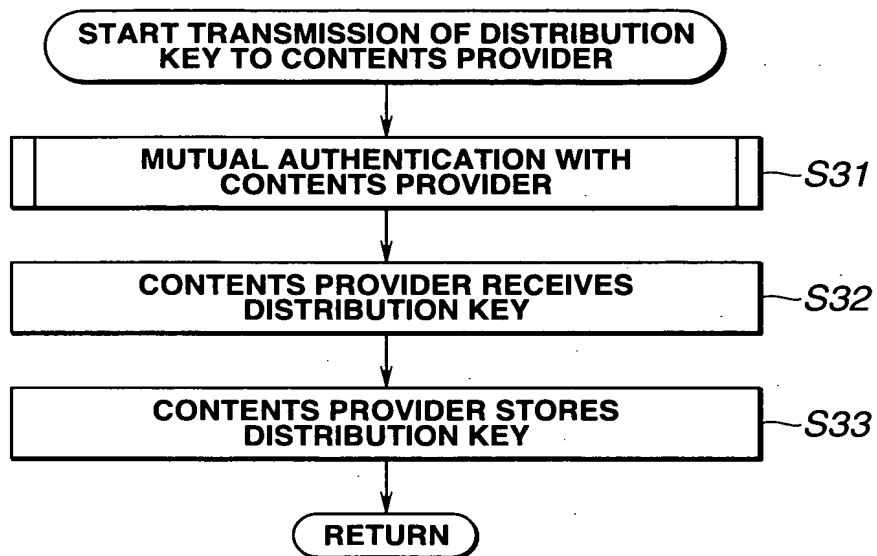
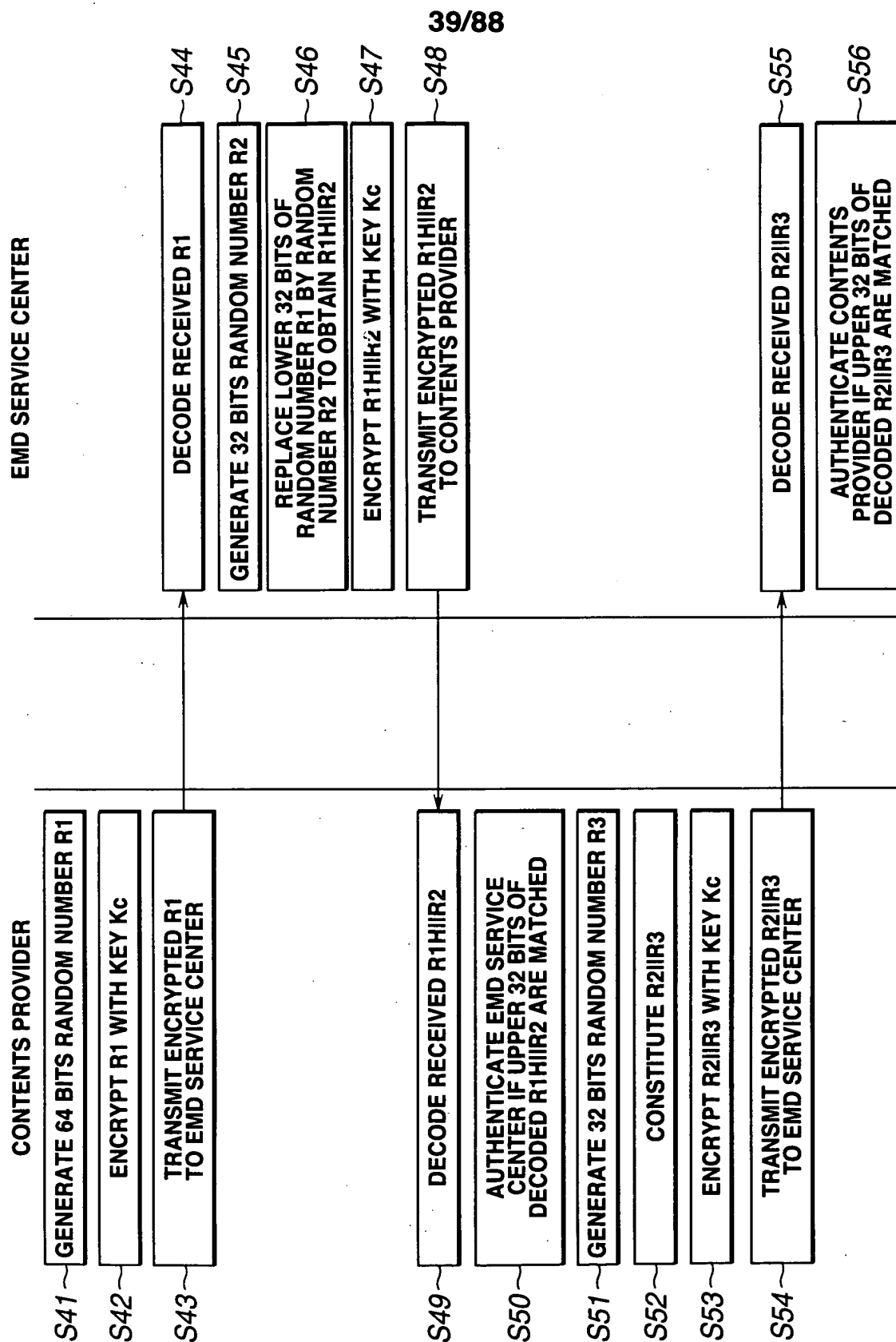


FIG.39



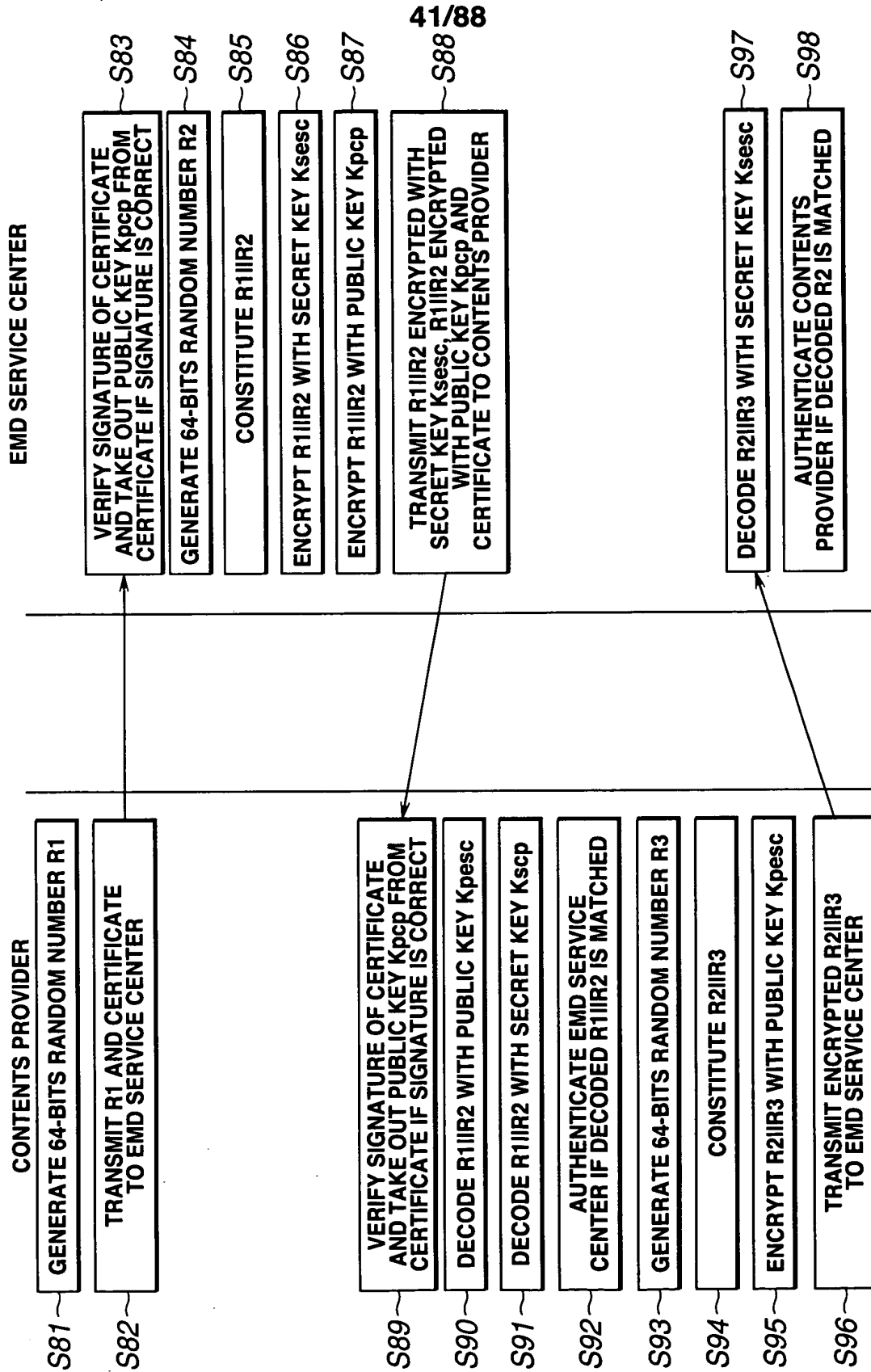


FIG.42

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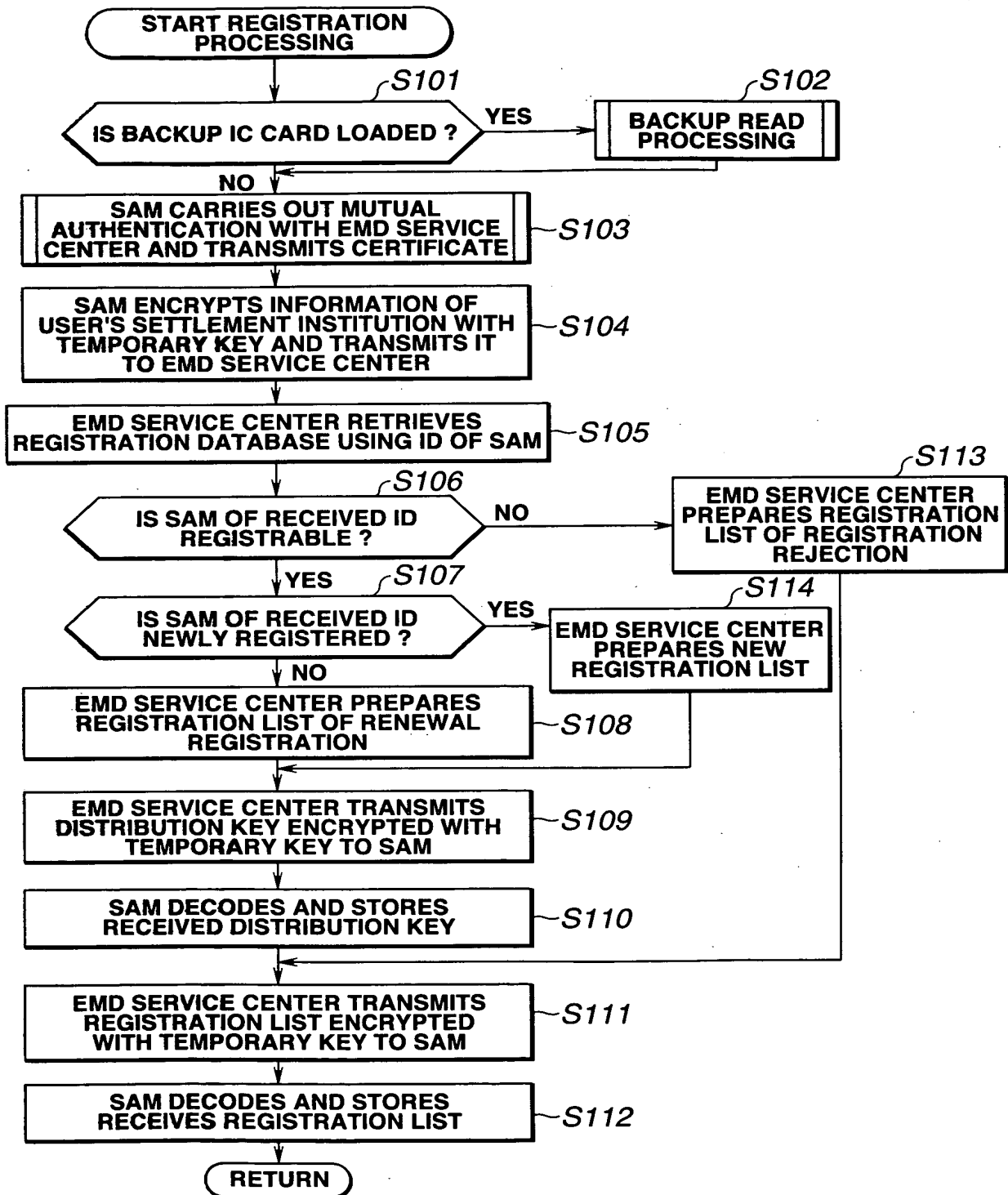


FIG.43

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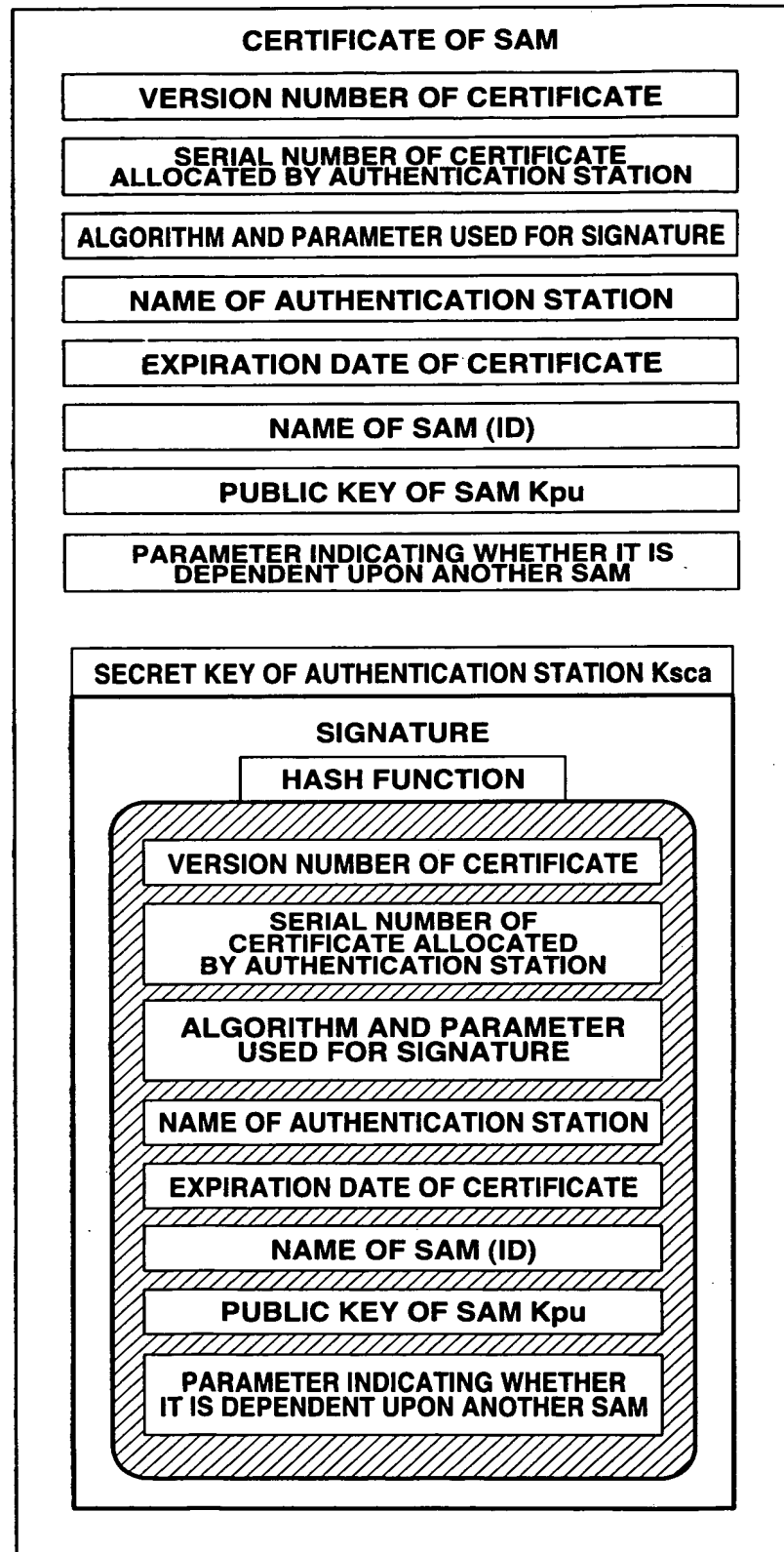


FIG.44

ID OF SAM (64 BITS)	REGISTRATION REJECTION FLAG (1 BIT)	STATUS FLAG (4 BITS)	CONDITION FLAG (1 BIT)	SIGNATURE
000000000000000001h	1	0000	0	XXXXXXXXXX
000000000000000002h	1	1010	1	XXXXXXXXXX
000000000000000003h	1	1100	1	XXXXXXXXXX
00000000000000000Ah	0	0000	1	XXXXXXXXXX

FIG.45

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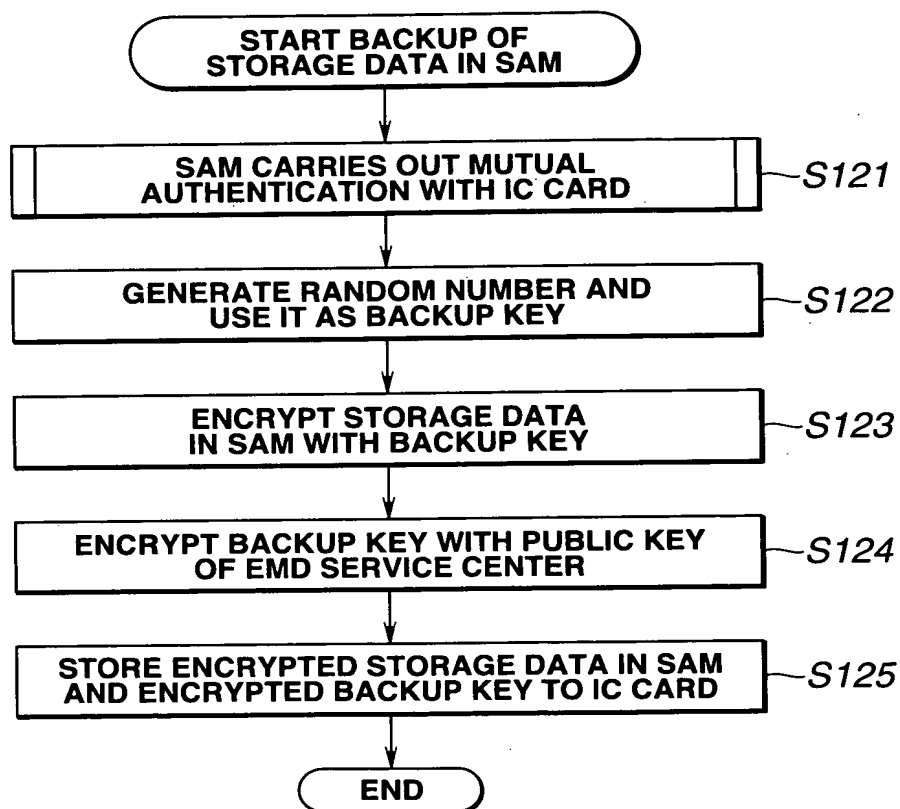


FIG.46

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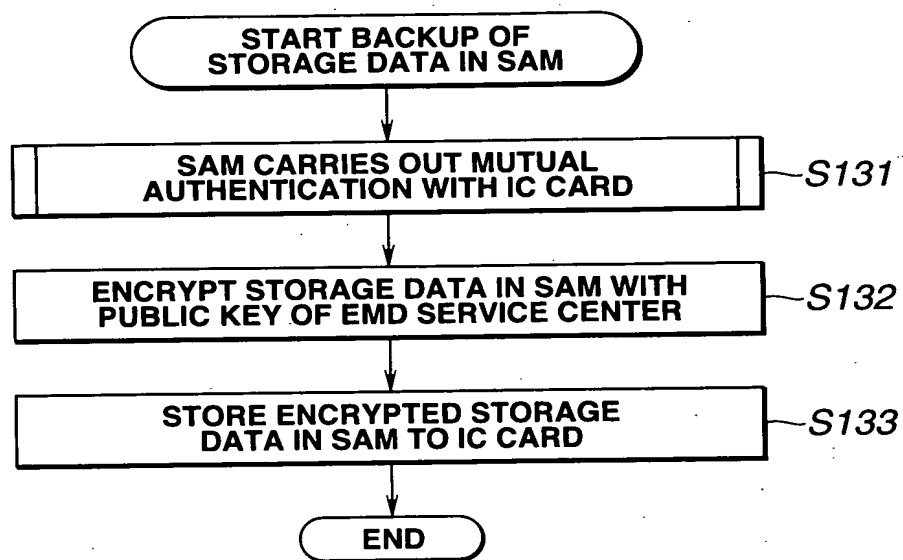


FIG.47

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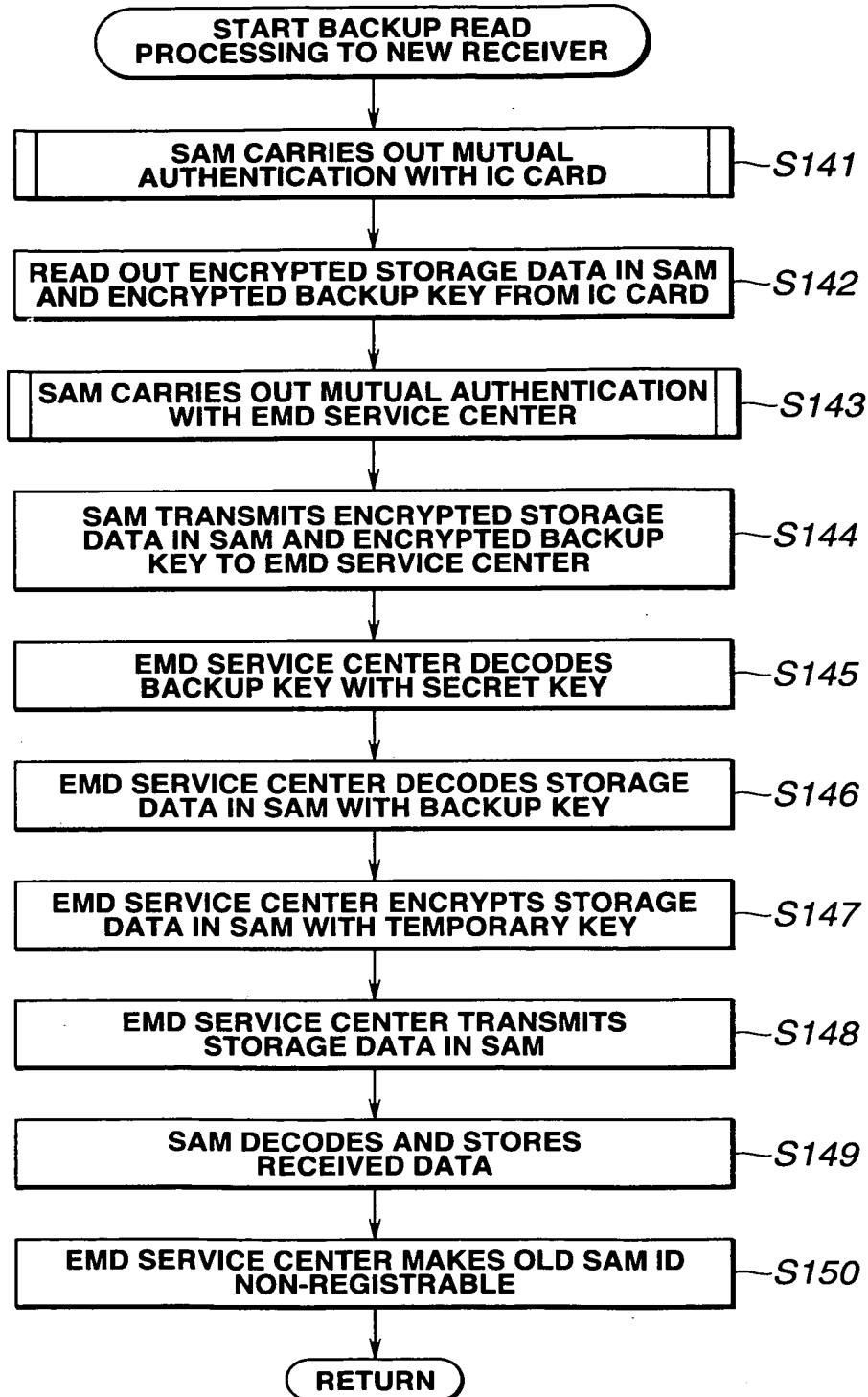


FIG.48

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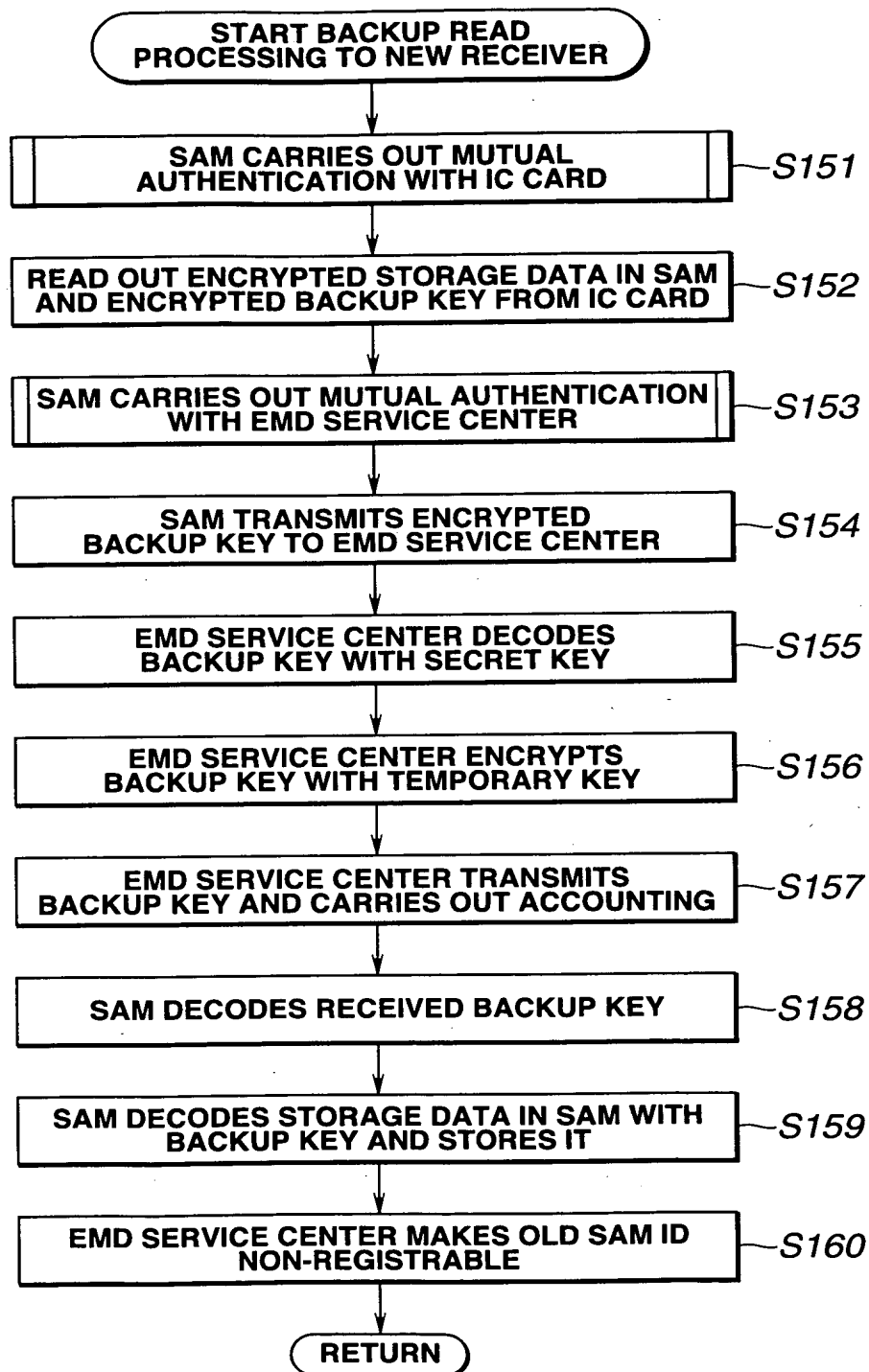


FIG.49

002080"080700

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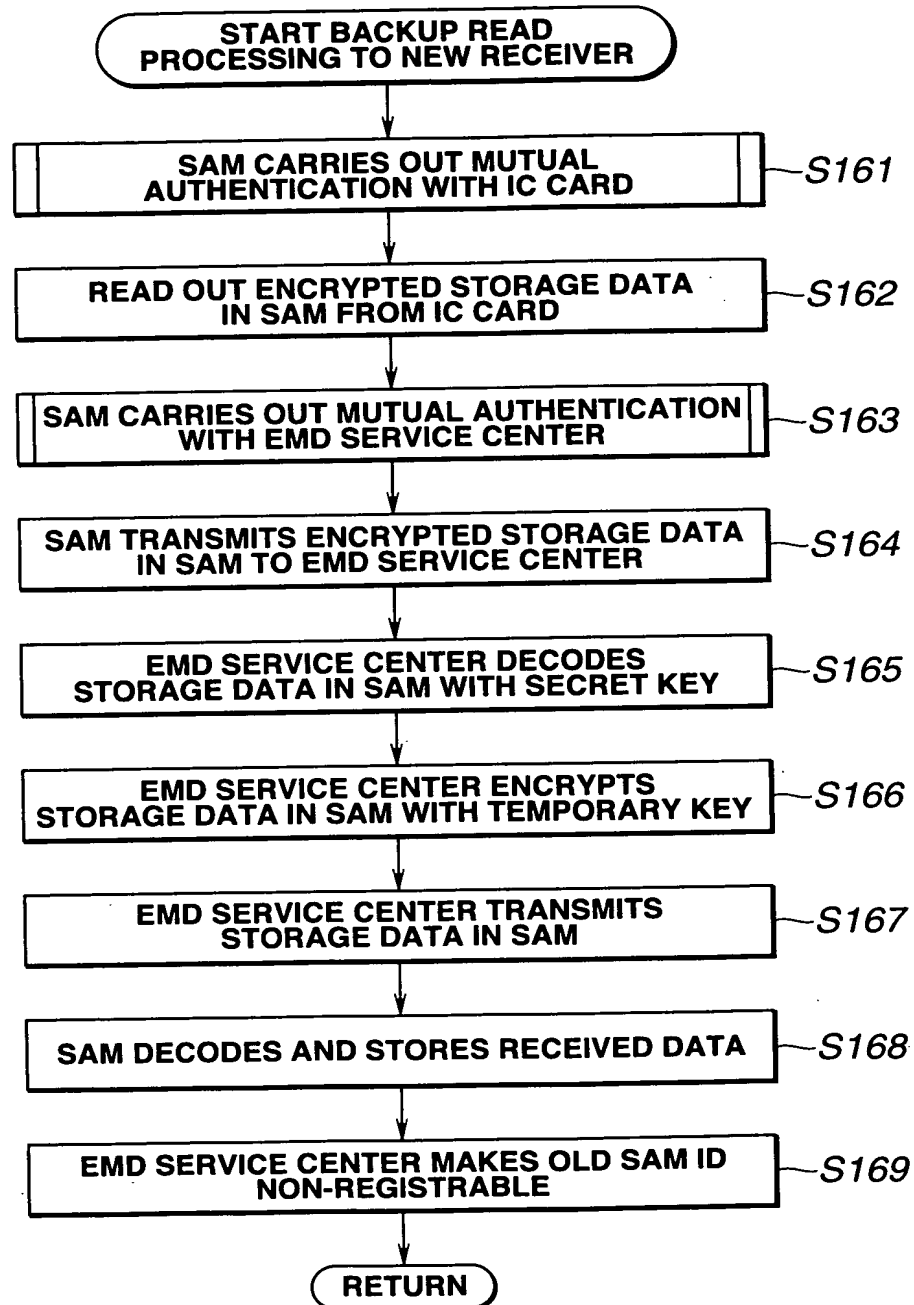


FIG.50

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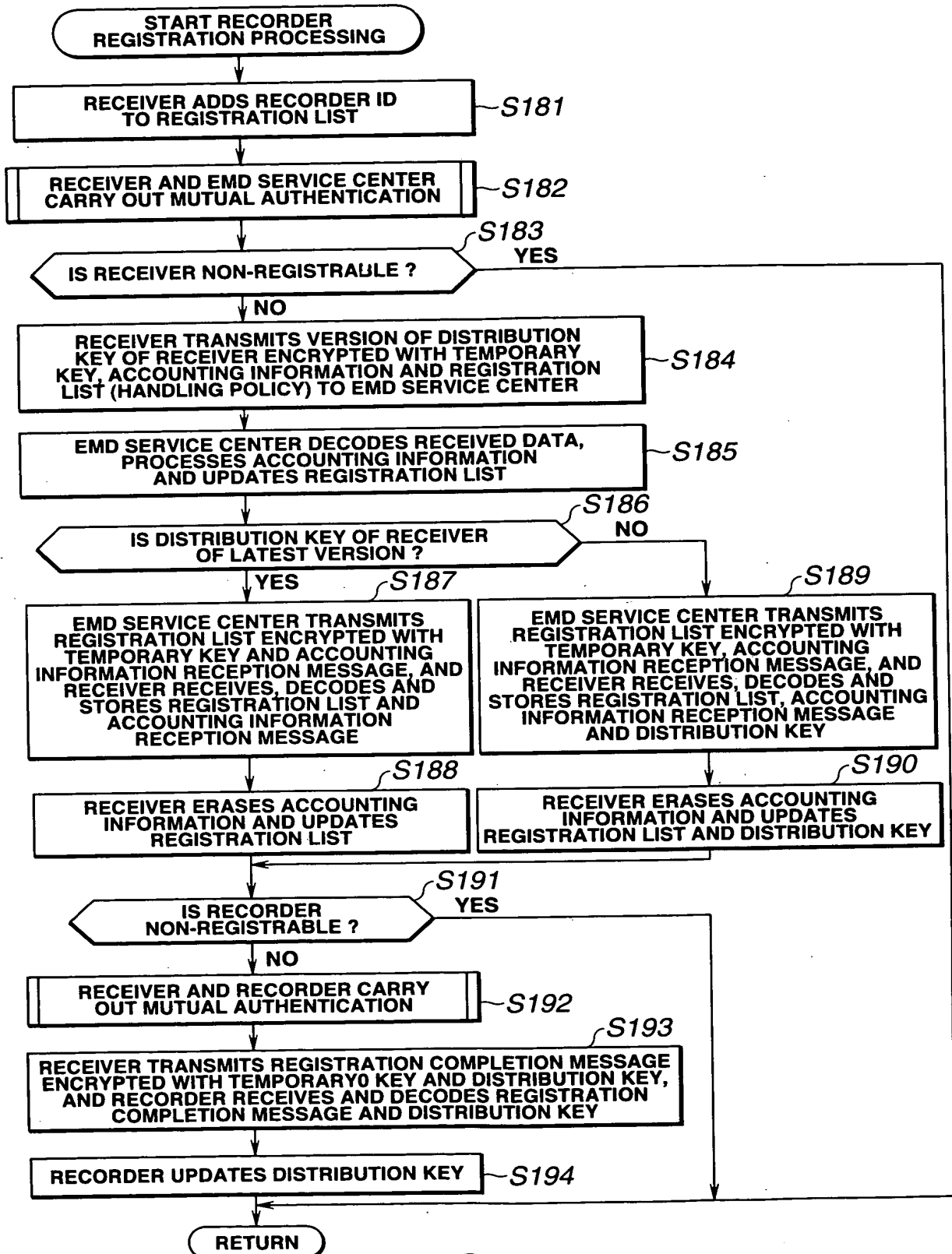


FIG.51

09/581583 000700

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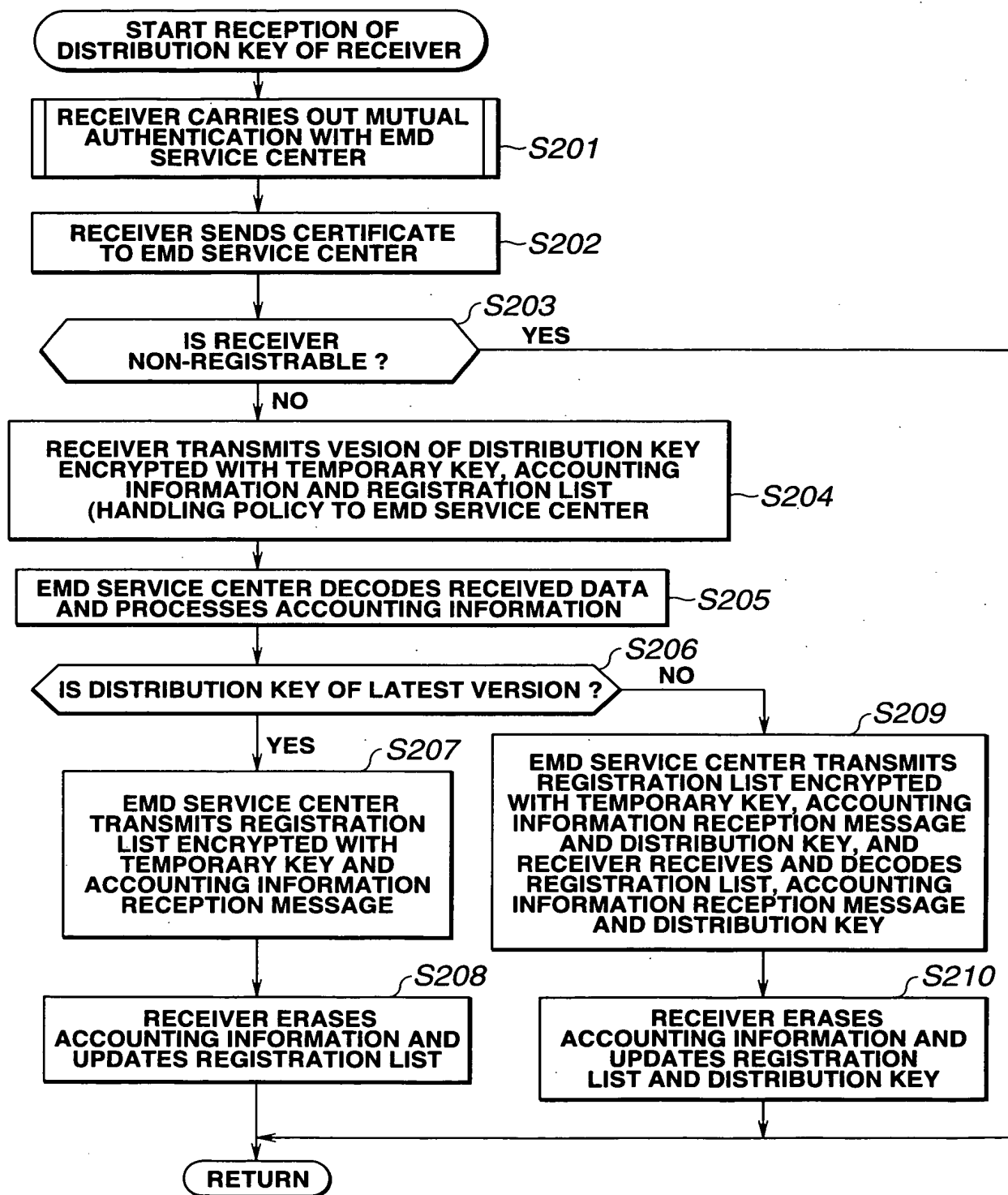


FIG.52

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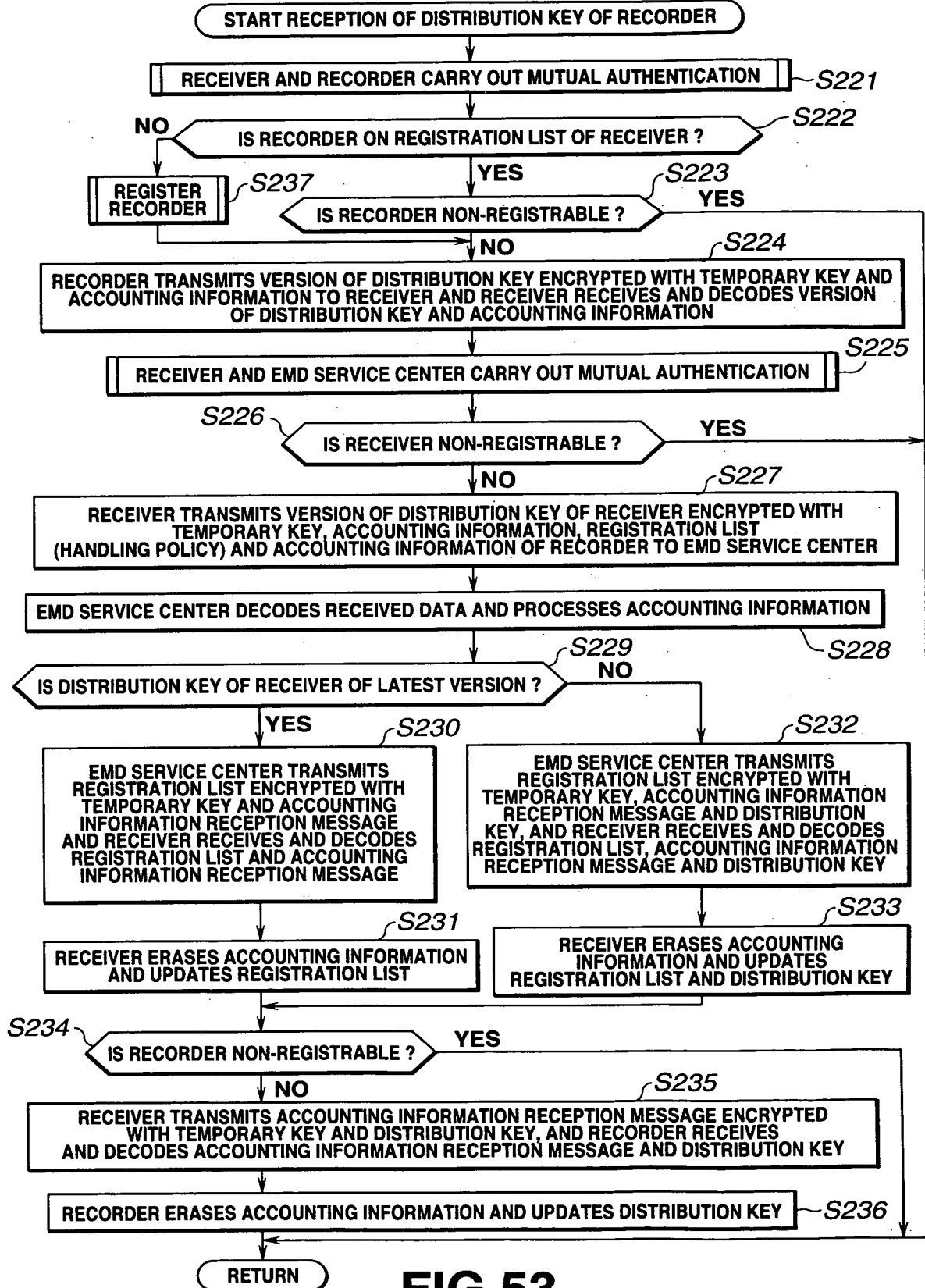


FIG.53

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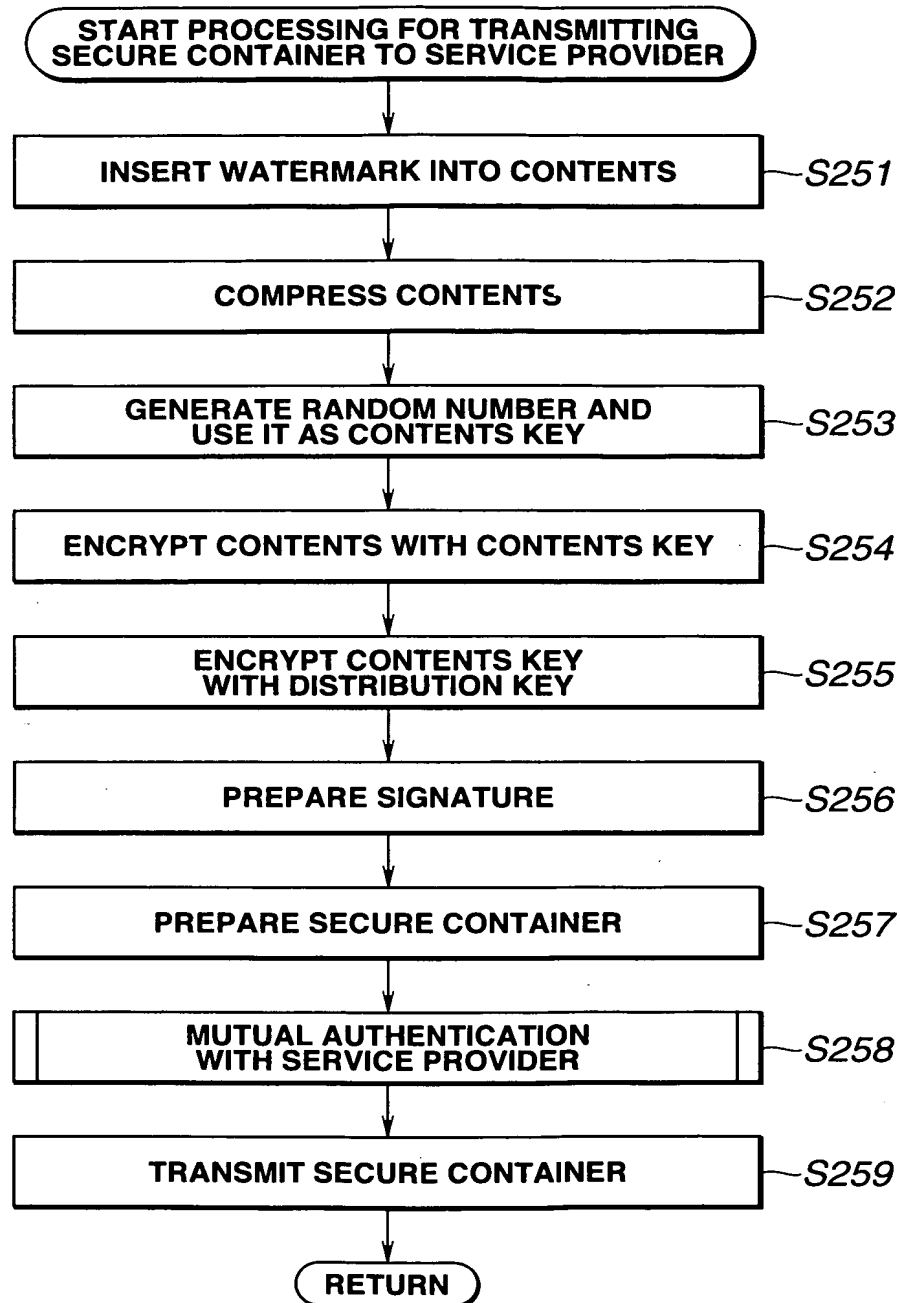


FIG.54

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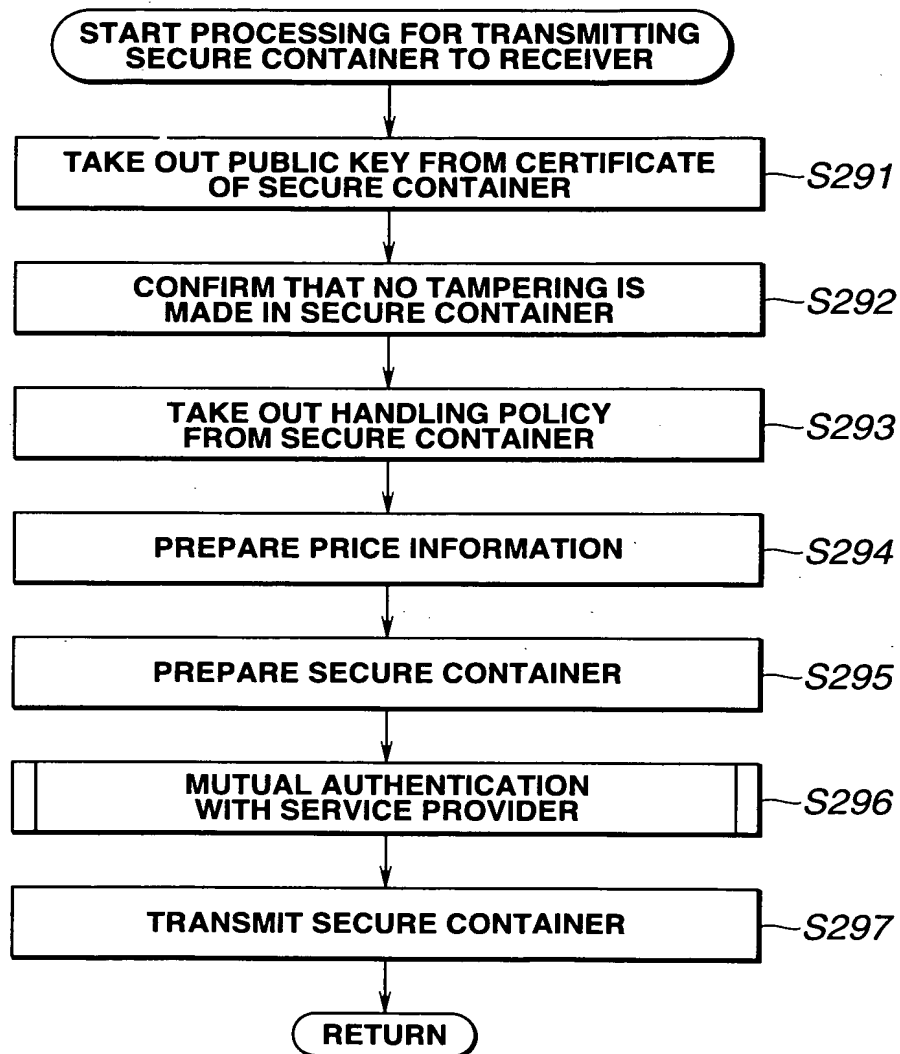


FIG.55

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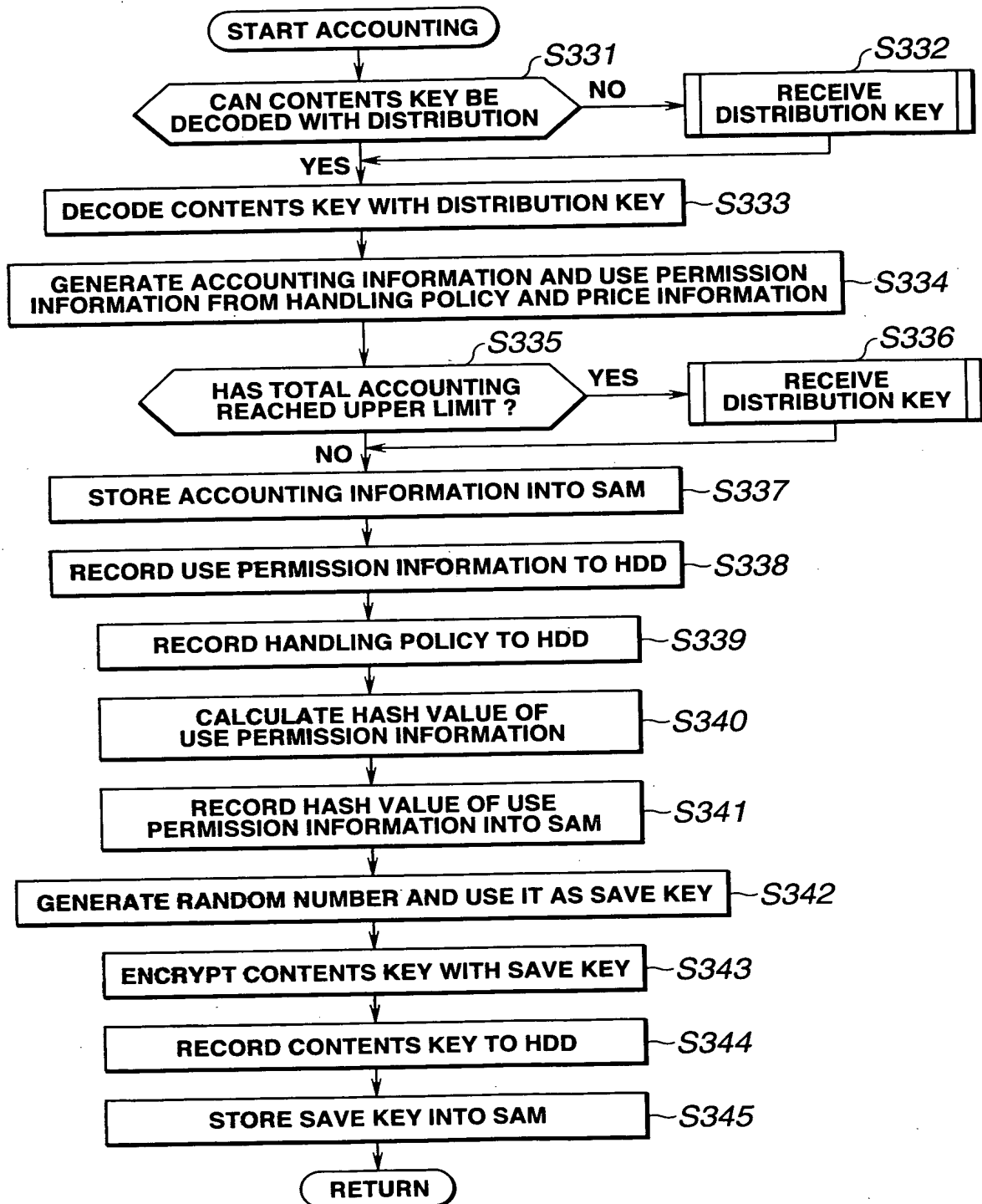


FIG.56

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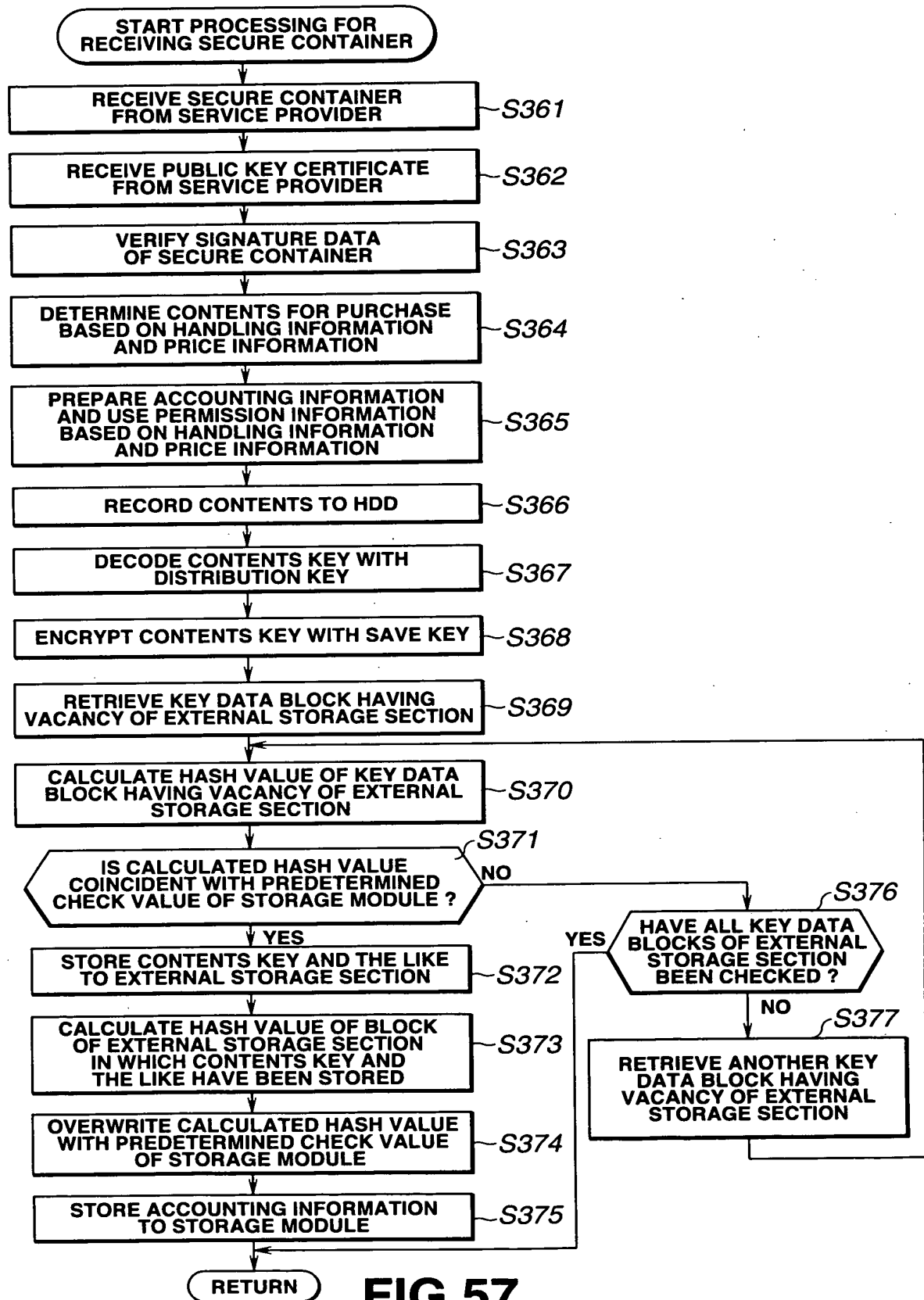


FIG.57

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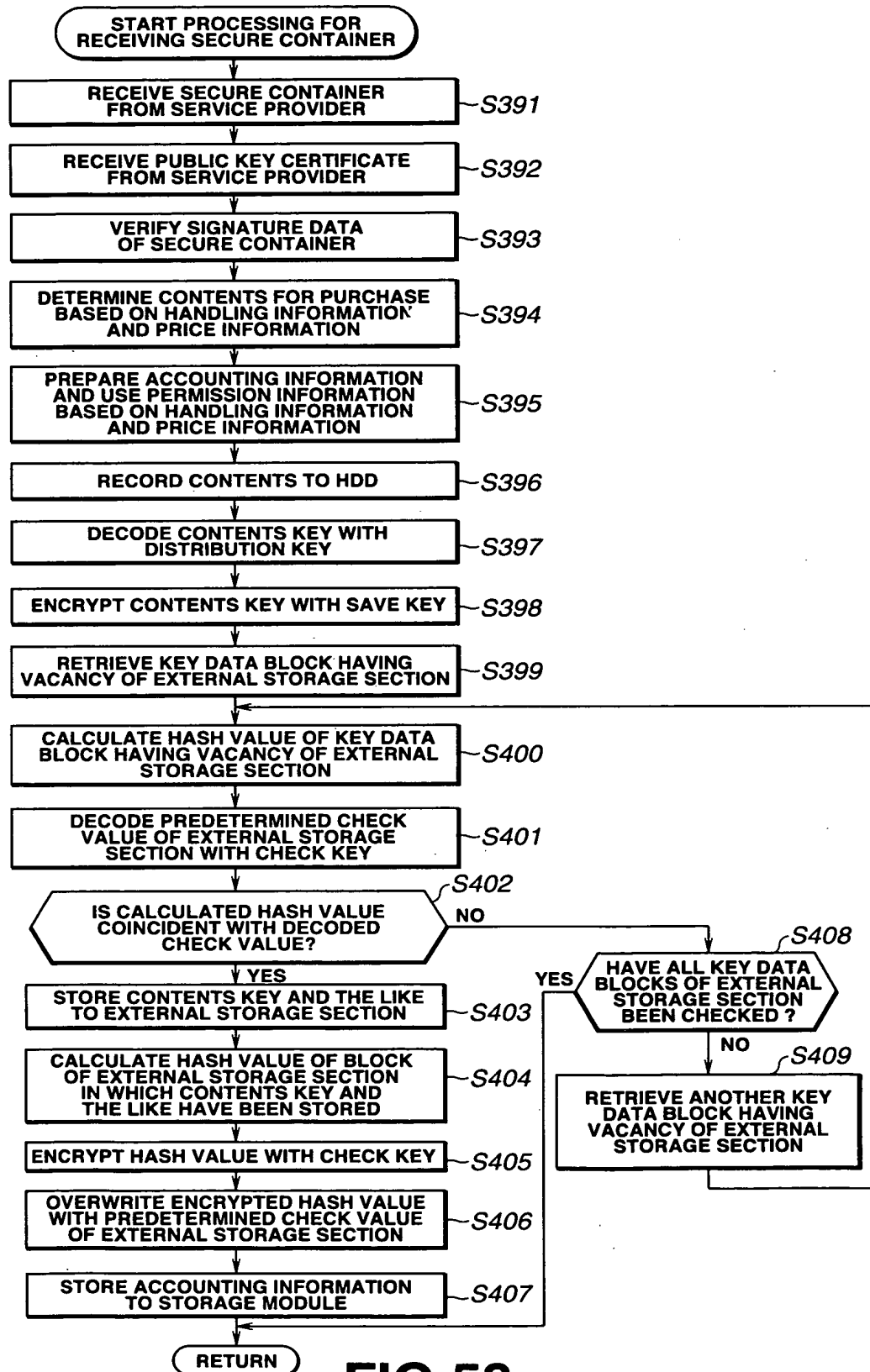


FIG.58

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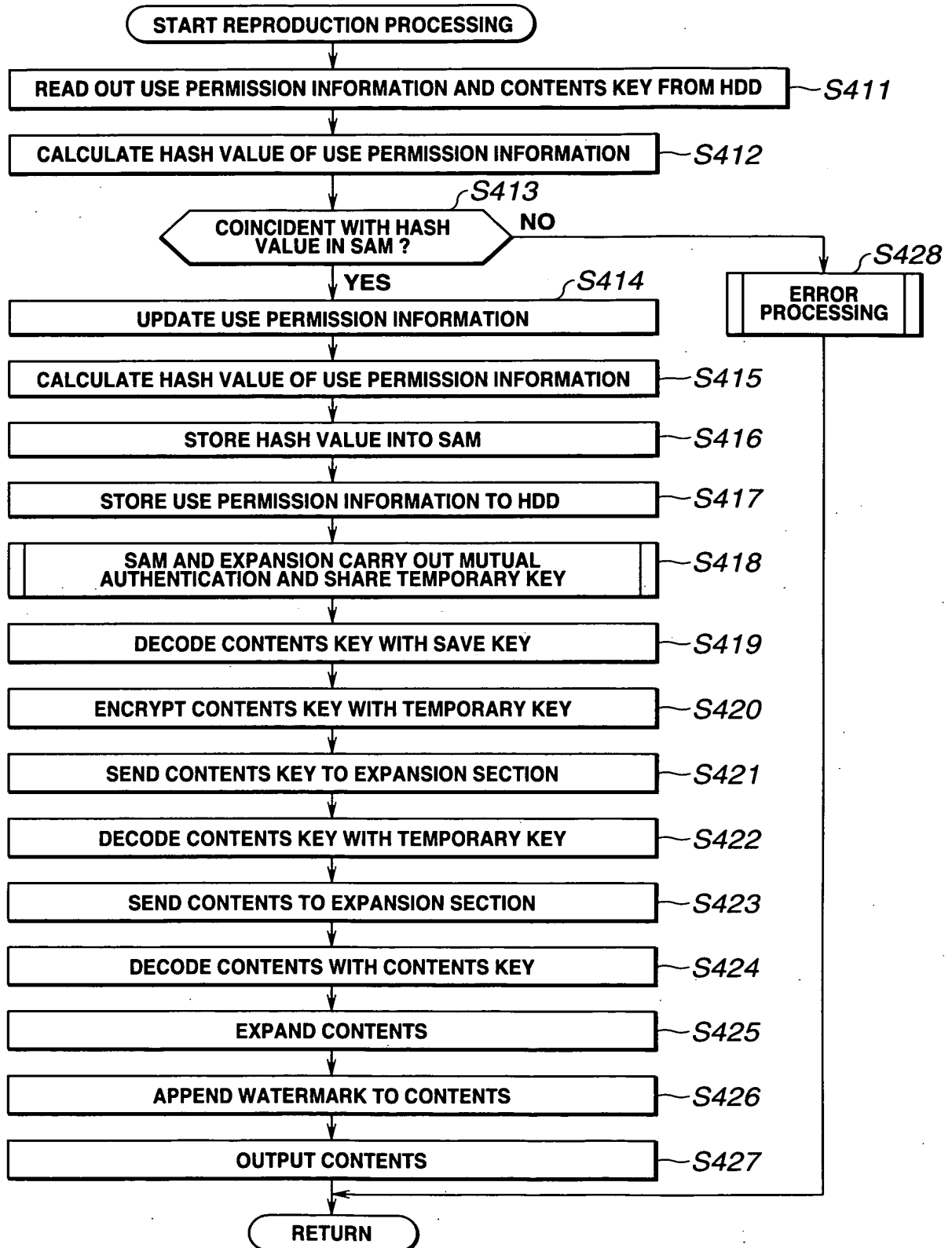


FIG.59

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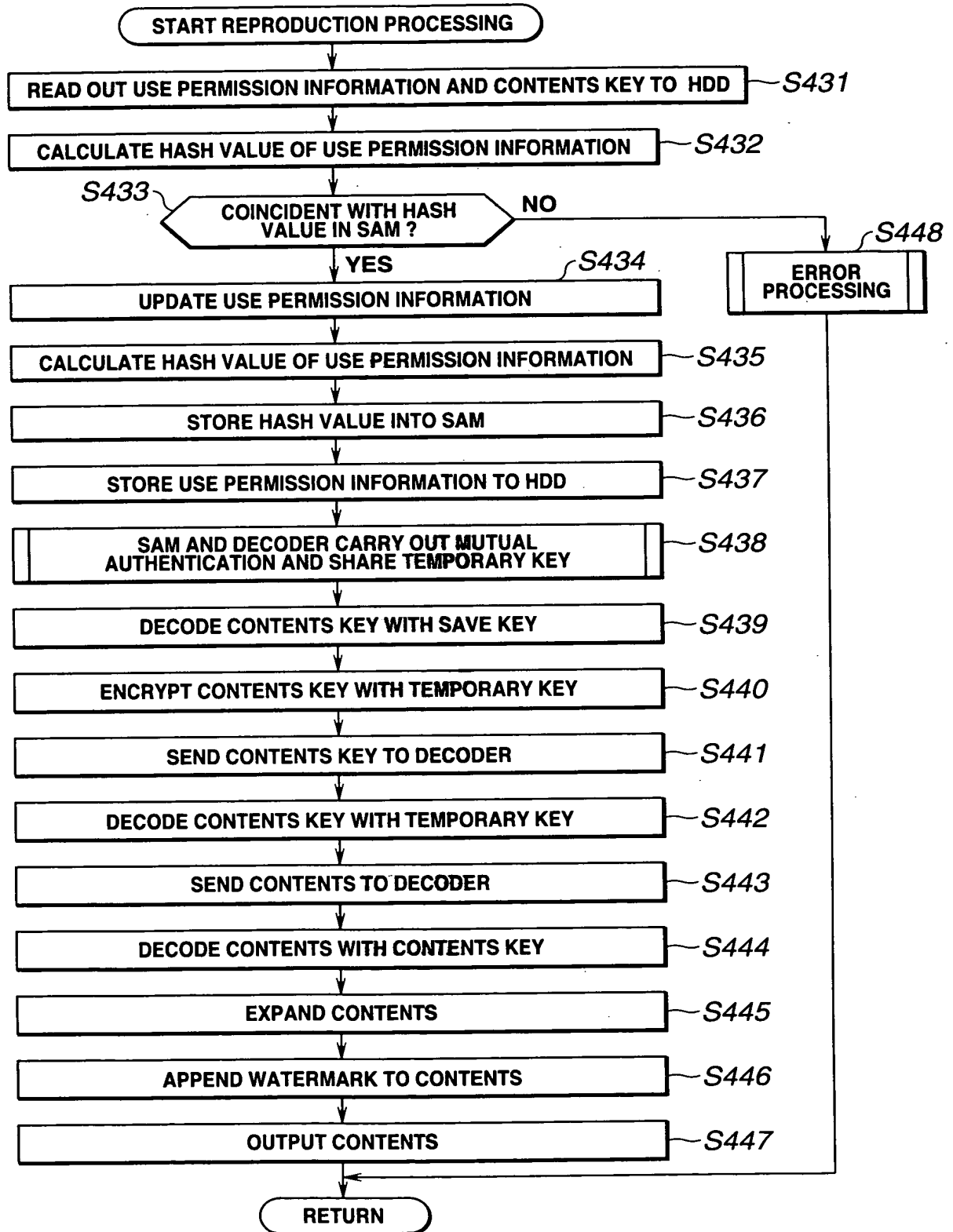


FIG.60

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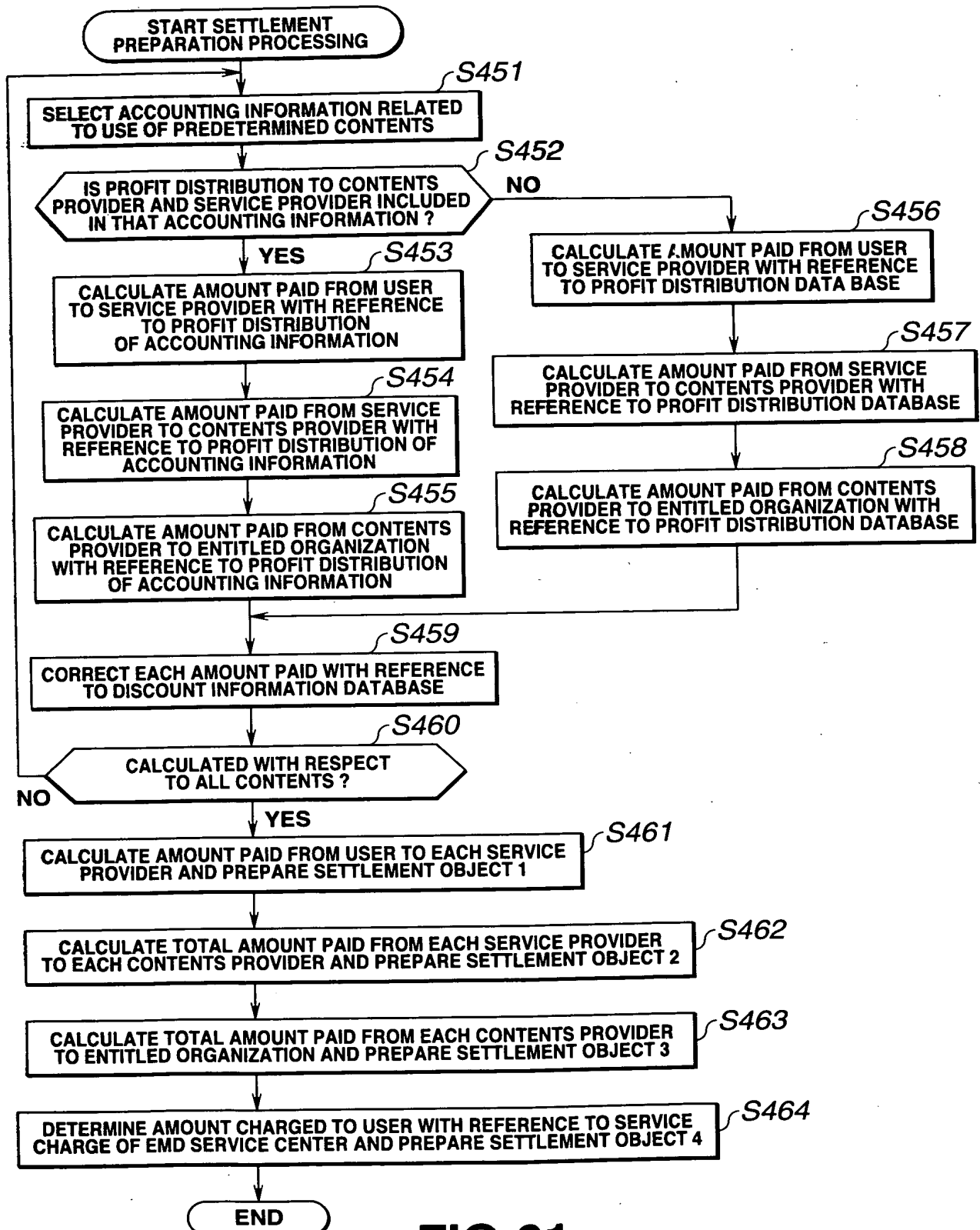


FIG.61

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FIG.62A**CREDIT SETTLEMENT
OBJECT 1**

PAYER : USER ID
AMOUNT CHARGED : x
PAYEE : SERVICE PROVIDER ID
AMOUNT PAID : x1

FIG.62B**CREDIT SETTLEMENT
OBJECT 2**

PAYER : CREDIT SETTLEMENT OBJECT 1
AMOUNT CHARGED : -
PAYEE : CONTENTS PROVIDER ID
AMOUNT PAID : x2

FIG.62C**CREDIT SETTLEMENT
OBJECT 3**

PAYER : CREDIT SETTLEMENT OBJECT 1
AMOUNT CHARGED : -
PAYEE : ENTITLED ORGANIZATION ID
AMOUNT PAID : x3

FIG.62D**CREDIT SETTLEMENT
OBJECT 4**

PAYER : CREDIT SETTLEMENT OBJECT 1
AMOUNT CHARGED : -
PAYEE : EMD SERVICE CENTER ID
AMOUNT PAID : x4

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FIG.63A**BANK SETTLEMENT
OBJECT 1**

PAYER : SERVICE PROVIDER ID
AMOUNT CHARGED : y1
PAYEE : EMD SERVICE CENTER ID
AMOUNT PAID : y1

FIG.63B**BANK SETTLEMENT
OBJECT 2**

PAYER : CONTENTS PROVIDER ID
AMOUNT CHARGED : y2
PAYEE : EMD SERVICE CENTER ID
AMOUNT PAID : y2

FIG.63C**BANK SETTLEMENT
OBJECT 3**

PAYER : ENTITLED ORGANIZATION ID
AMOUNT CHARGED : y3
PAYEE : EMD SERVICE CENTER ID
AMOUNT PAID : y3

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FIG.64A**CREDIT SETTLEMENT
OBJECT 1**

PAYER : USER ID
AMOUNT CHARGED : x
PAYEE : SERVICE PROVIDER ID
AMOUNT PAID : x1

FIG.64B**BANK SETTLEMENT
OBJECT 2**

PAYER : SERVICE PROVIDER ID
AMOUNT CHARGED : x2+x3
PAYEE : CONTENTS PROVIDER ID
AMOUNT PAID : x2+x3

FIG.64C**BANK SETTLEMENT
OBJECT 3**

PAYER : CONTENTS PROVIDER ID
AMOUNT CHARGED : x3
PAYEE : ENTITLED ORGANIZATION ID
AMOUNT PAID : x3

FIG.64D**CREDIT SETTLEMENT
OBJECT 4**

PAYER : CREDIT SETTLEMENT OBJECT 1
AMOUNT CHARGED : -
PAYEE : EMD SERVICE CENTER ID
AMOUNT PAID : x4

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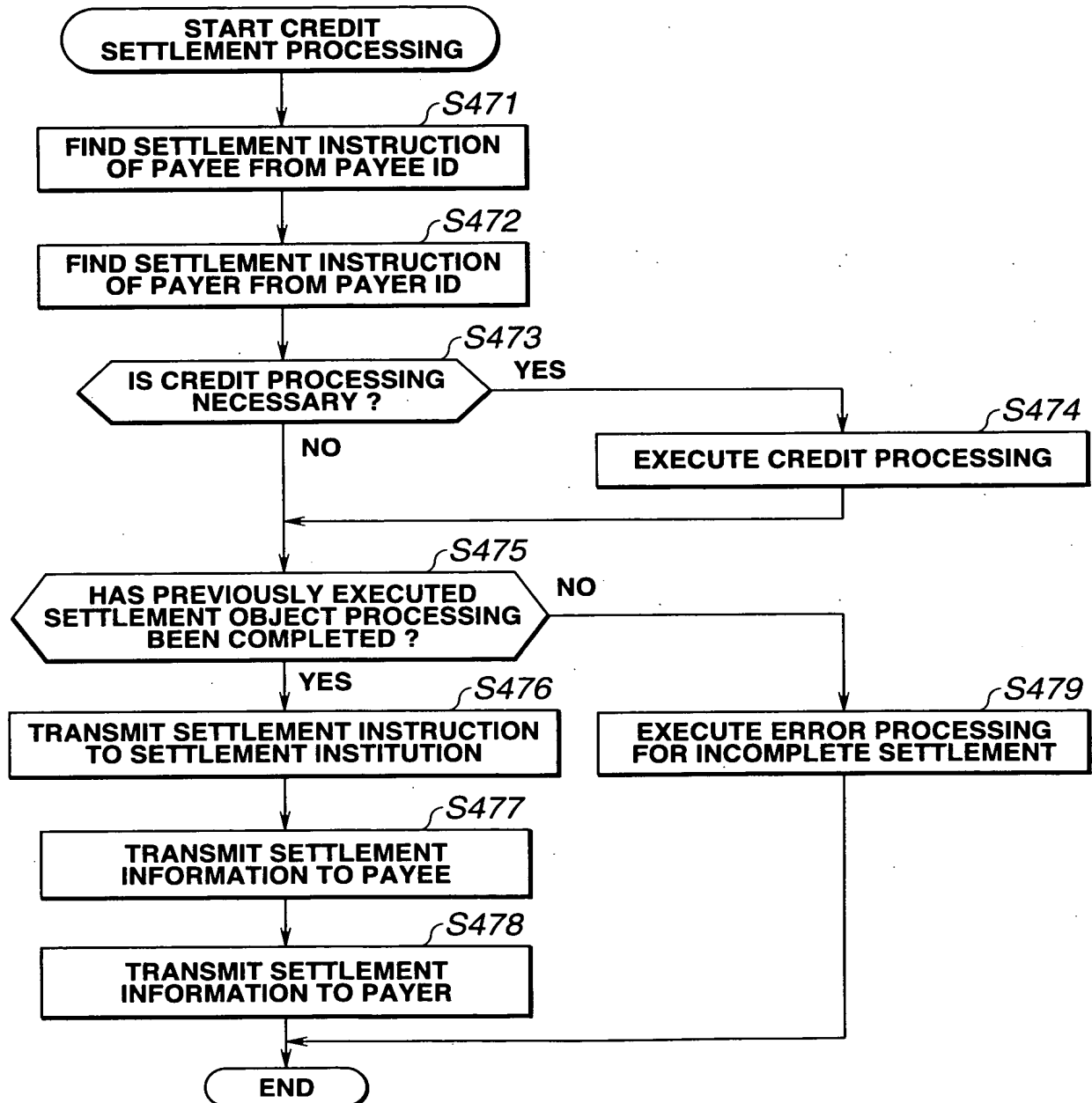


FIG.65

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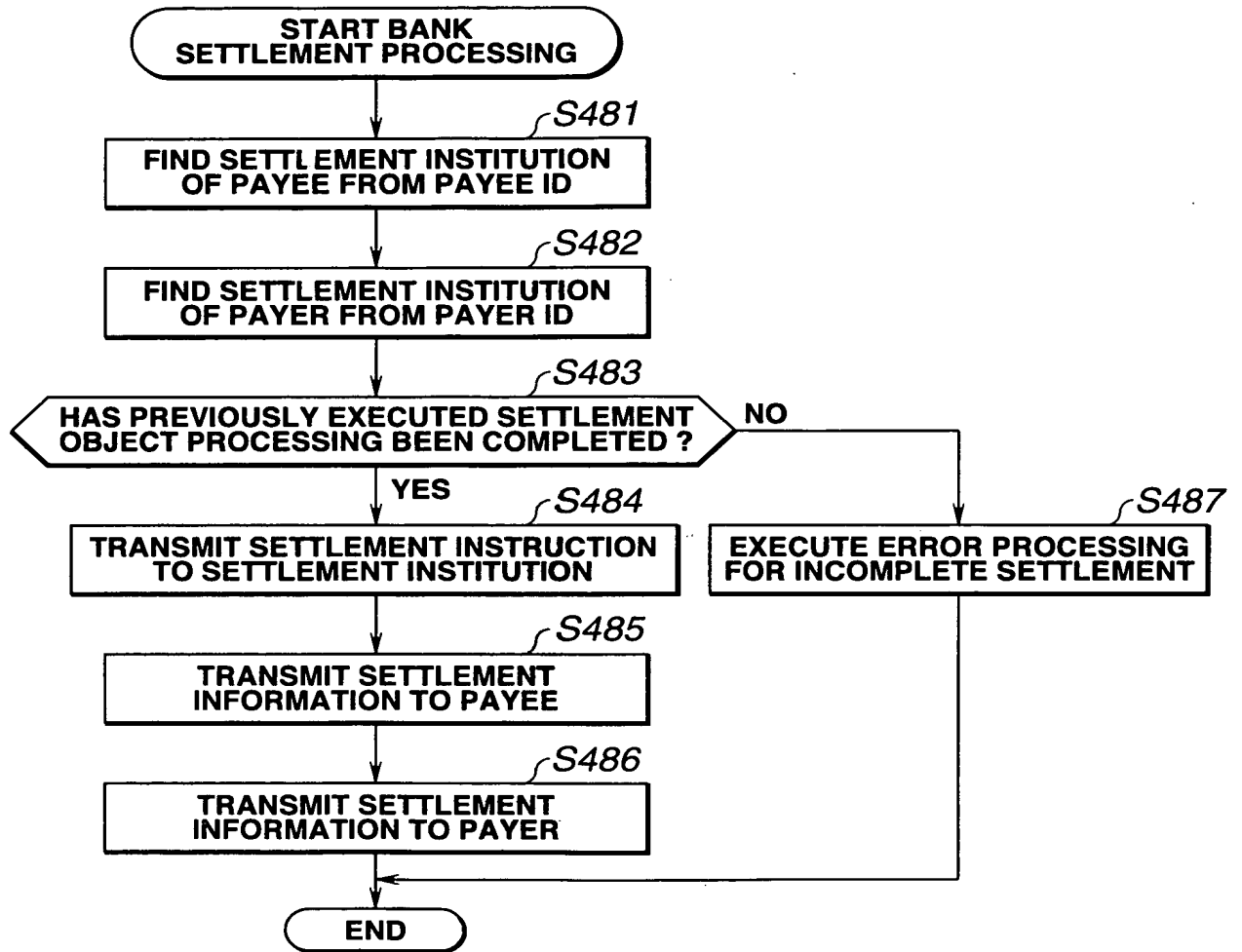


FIG.66



FIG. 67

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LIST PART									
SAM ID	USER ID	PURCHASE PROCESSING	ACCOUNTING	ACCOUNTING EQUIPMENT	CONTENTS SUPPLY EQUIPMENT	STATUS INFORMATION	REGISTRATION CONDITION SIGNATURE	REGISTRATION LIST SIGNATURE	
REGISTRATION CONDITION OF RECEIVER 51	ID OF USER	AVAILABLE	AVAILABLE	ID OF SAM 62	NONE	UNLIMITED	XXX	XXXX	
REGISTRATION CONDITION OF RECEIVER 201	ID OF USER	AVAILABLE	UN-AVAILABLE	ID OF SAM 62	NONE	UNLIMITED	XXX		
REGISTRATION CONDITION OF RECEIVER 202	ID OF USER	UN-AVAILABLE	UN-AVAILABLE	NONE	ID OF SAM 62 ID OF SAM 210	UNLIMITED	XXX		

TARGET SAM ID	ID OF SAM 62
EXPIRATION DATE	XXXXX
VERSION NUMBER	XXXXX
NUMBER OF EQUIPMENTS CONNECTED	3

FIG.68

LIST
PART

SAM ID	USER ID	PURCHASE PROCESSING	ACCOUNTING	ACCOUNTING EQUIPMENT	CONTENTS SUPPLY EQUIPMENT	STATUS INFORMATION	REGISTRATION CONDITION SIGNATURE	REGISTRATION LIST SIGNATURE
REGISTRATION CONDITION OF RECEIVER 51	ID OF USER	AVAILABLE	AVAILABLE	ID OF SAM 62	NONE	UNLIMITED	XXX	XXXX
REGISTRATION CONDITION OF RECEIVER 201	ID OF USER	AVAILABLE	UN-AVAILABLE	ID OF SAM 62	NONE	UNLIMITED	XXX	
REGISTRATION CONDITION OF RECEIVER 202	ID OF USER	UN-AVAILABLE	UN-AVAILABLE	NONE	ID OF SAM 62 ID OF SAM 210	UNLIMITED	XXX	

TARGET SAM ID	ID OF SAM 210
EXPIRATION DATE	XXXX
VERSION NUMBER	XXXX
NUMBER OF EQUIPMENTS CONNECTED	3

TARGET SAM
INFORMATION
PART

FIG.69

SAM ID	USER ID	PURCHASE PROCESSING	ACCOUNTING	ACCOUNTING EQUIPMENT	CONTENTS SUPPLY EQUIPMENT	STATUS INFORMATION	REGISTRATION CONDITION SIGNATURE	REGISTRATION LIST SIGNATURE
ID OF SAM 220	ID OF USER	UN-AVAILABLE	UN-AVAILABLE	NONE	ID OF SAM 62 ID OF SAM 210	UNLIMITED	XXX	XXXX

LIST PART

REGISTRATION
CONDITION OF
RECEIVER 202

TARGET SAM ID	ID OF SAM 220
EXPIRATION DATE	XXXX
VERSION NUMBER	XXXX
NUMBER OF EQUIPMENTS CONNECTED	3

TARGET SAM
INFORMATION
PART

FIG.70

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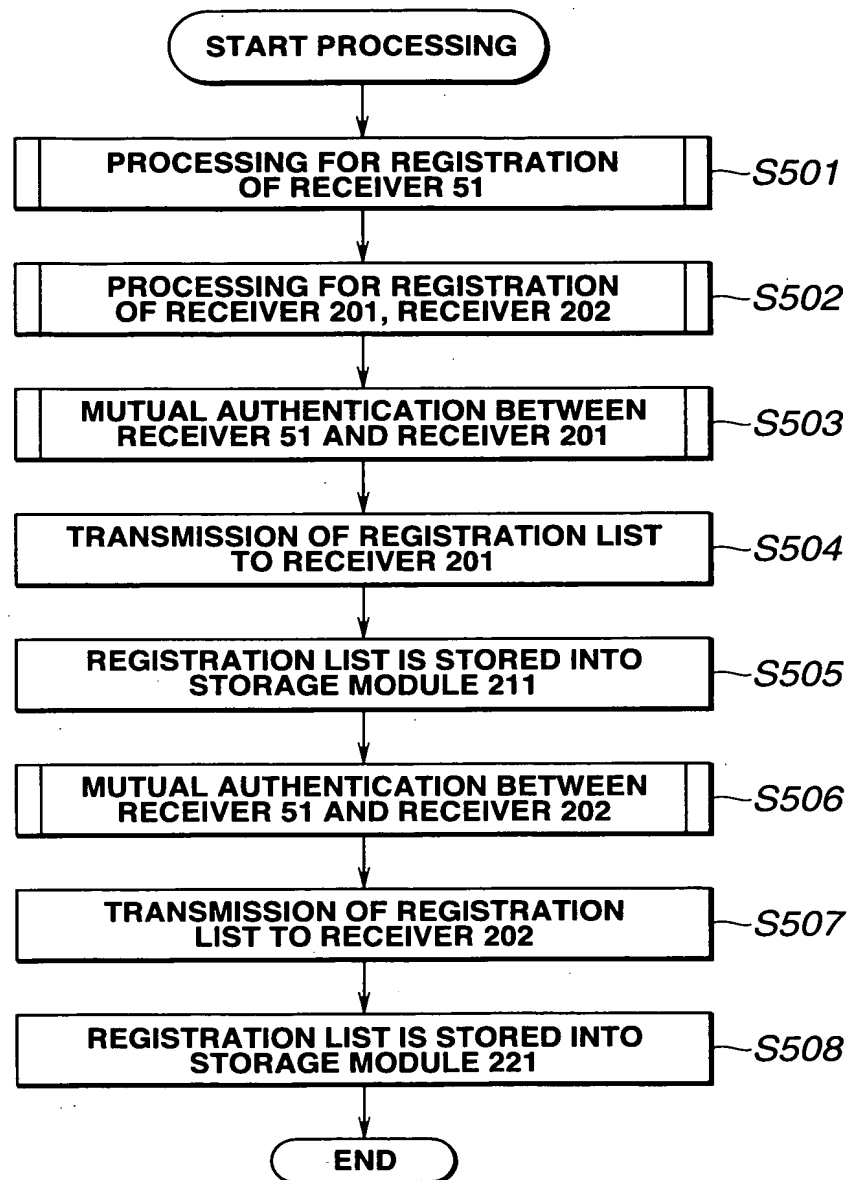


FIG.71

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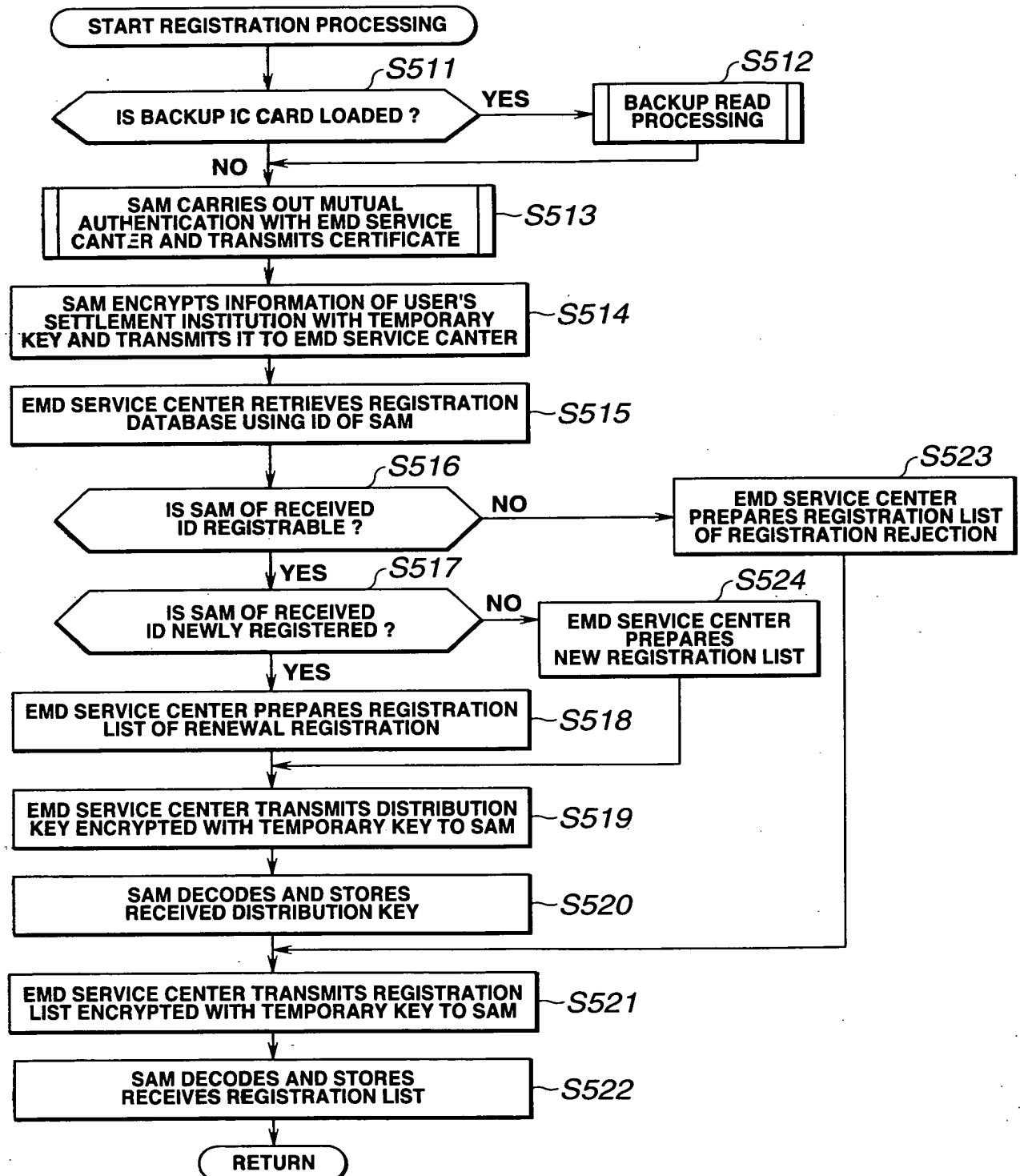


FIG.72

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REGISTRATION CONDITION OF RECEIVER 51									
SAM ID	USER ID	PURCHASE PROCESSING	ACCOUNTING	ACCOUNTING EQUIPMENT	CONTENTS SUPPLY EQUIPMENT	STATUS INFORMATION	REGISTRATION CONDITION SIGNATURE	REGISTRATION LIST SIGNATURE	LIST PART
ID OF SAM 62	ID OF USER	AVAILABLE	AVAILABLE	ID OF SAM 62	NONE	UNLIMITED	XXX	XXXX	

REGISTRATION LIST				TARGET SAM INFORMATION PART			
TARGET SAM ID		ID OF SAM 62		EXPIRATION DATE		VERSION NUMBER	
				XXXX		XXXX	
NUMBER OF EQUIPMENTS CONNECTED						3	

FIG.73

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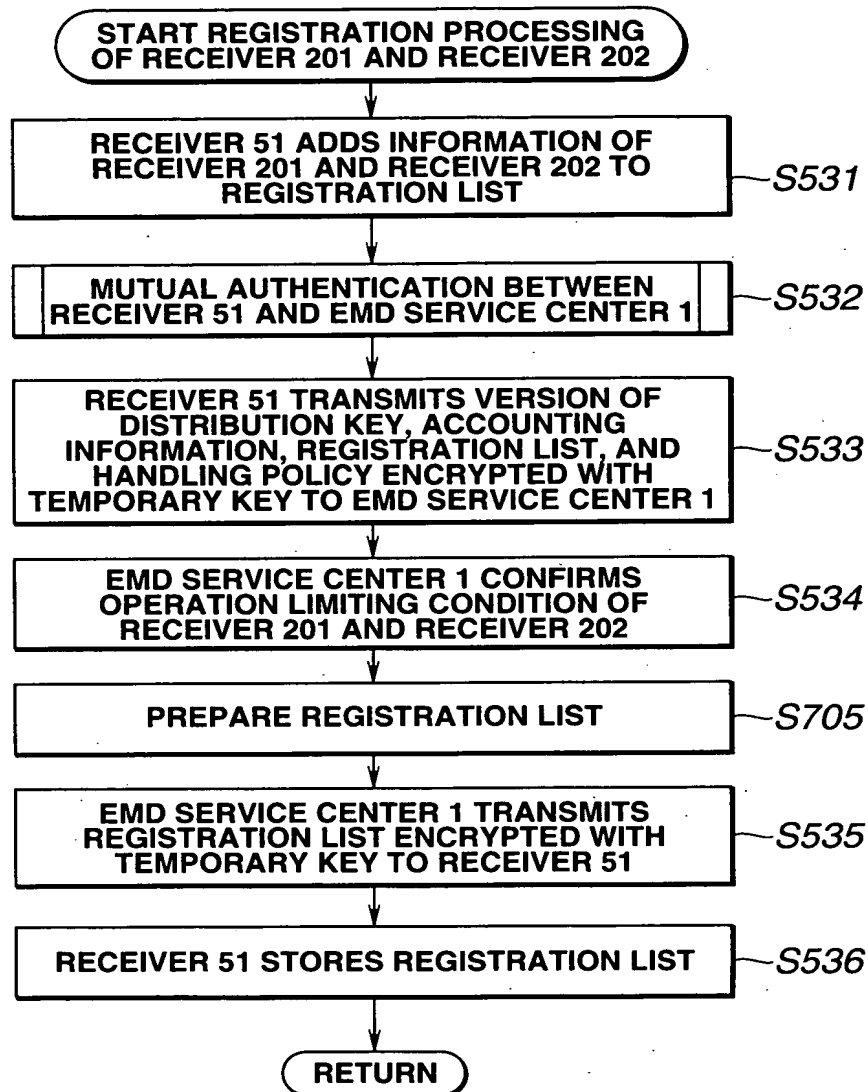


FIG.74

09/581583

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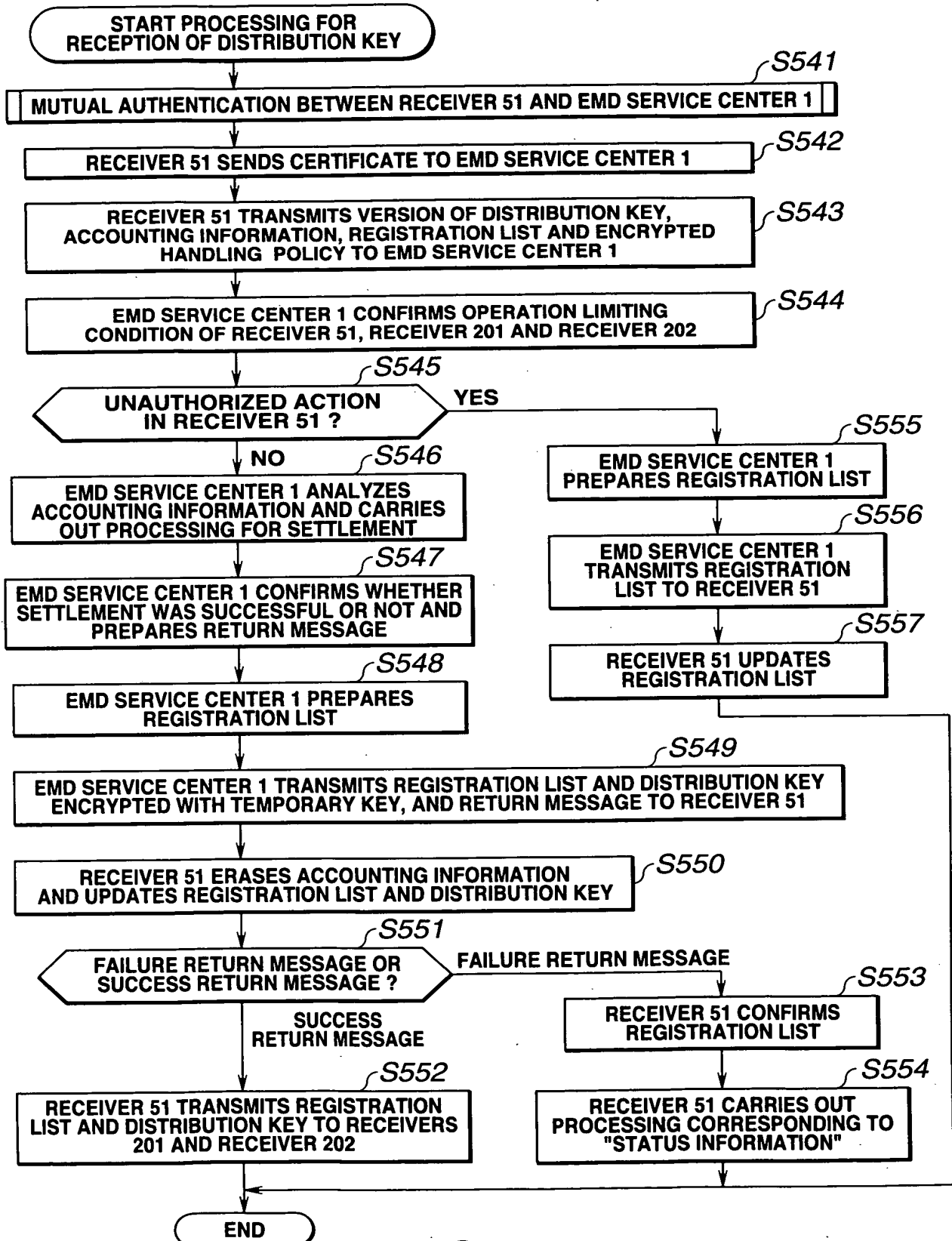


FIG.76

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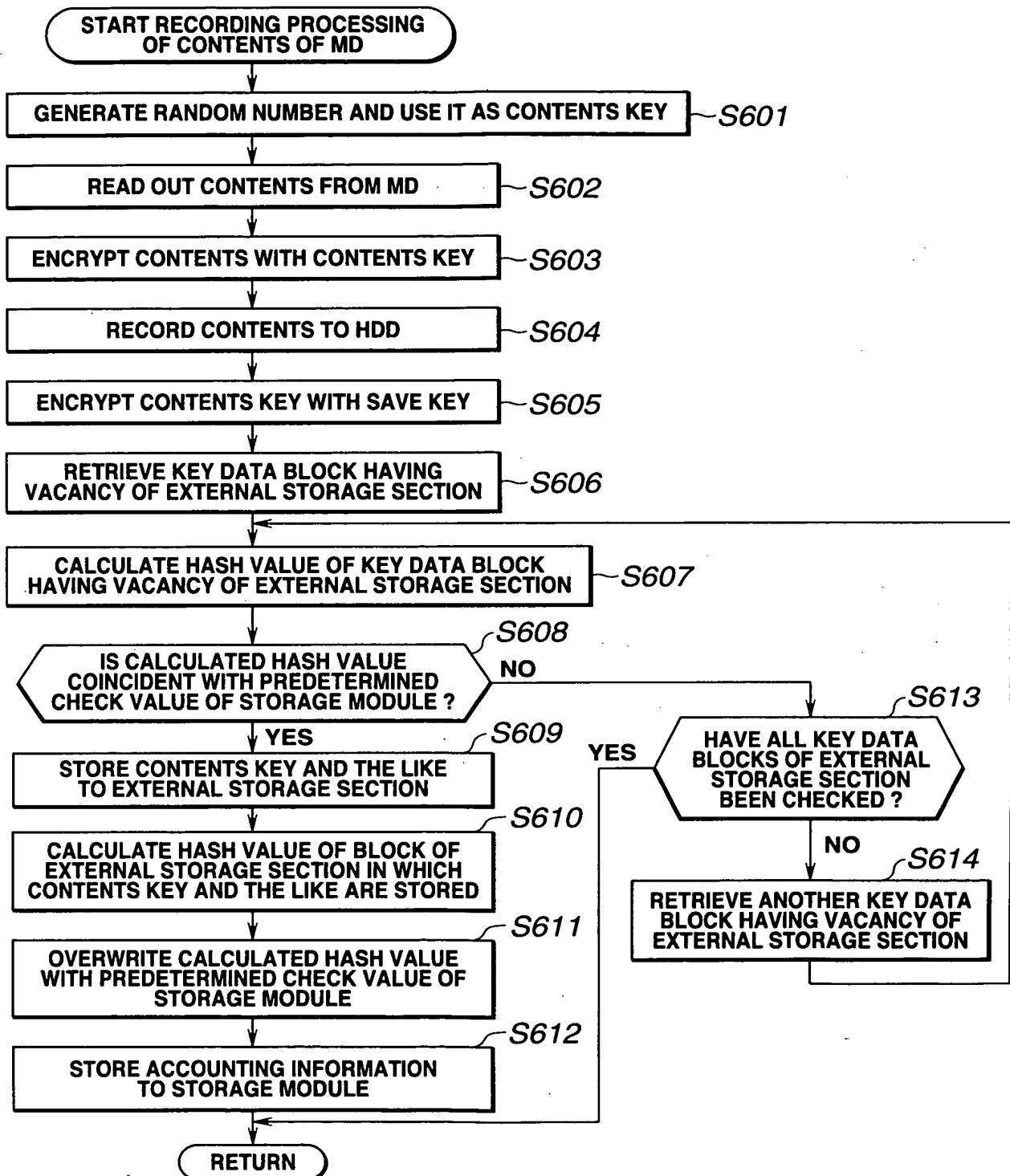


FIG.77

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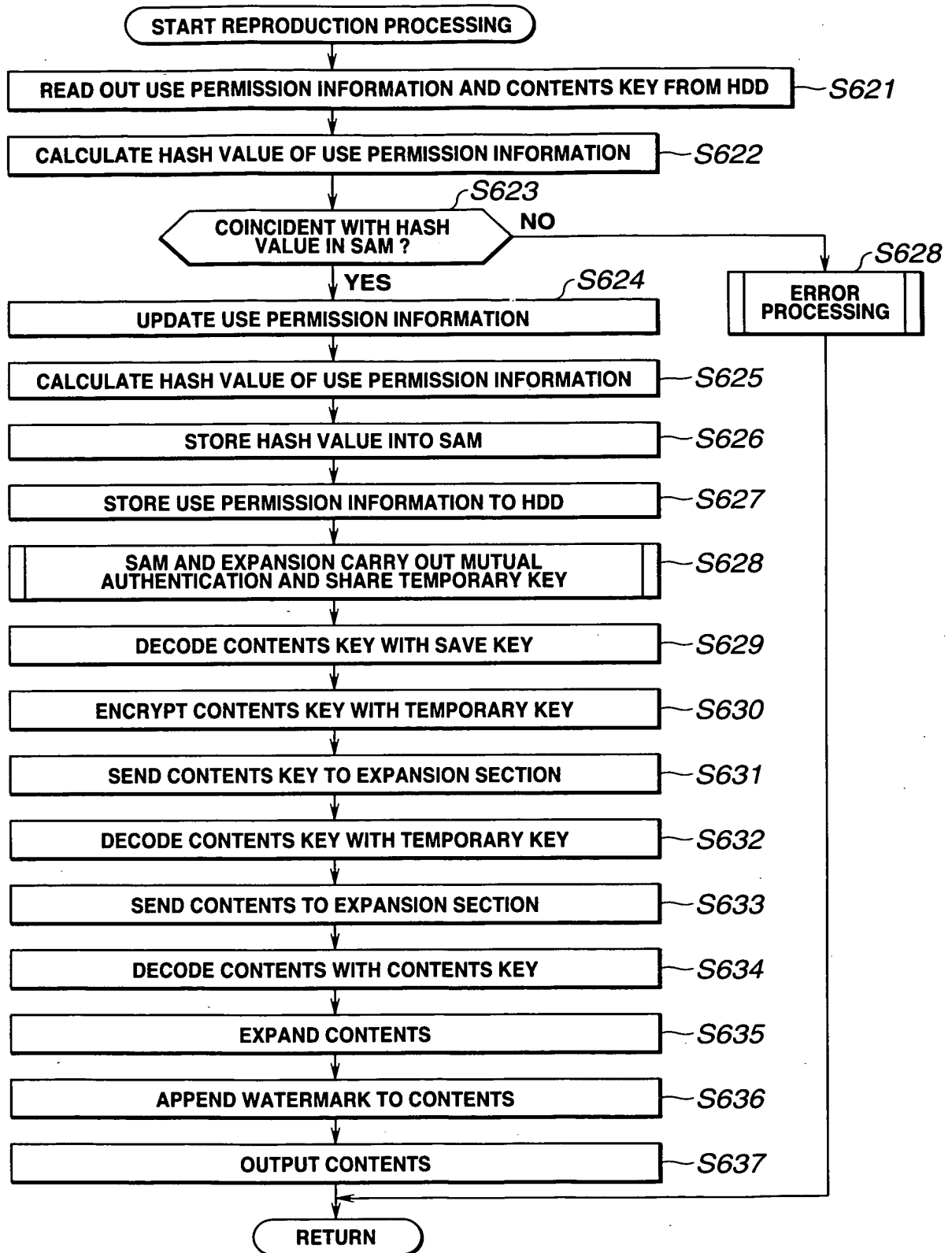


FIG.78

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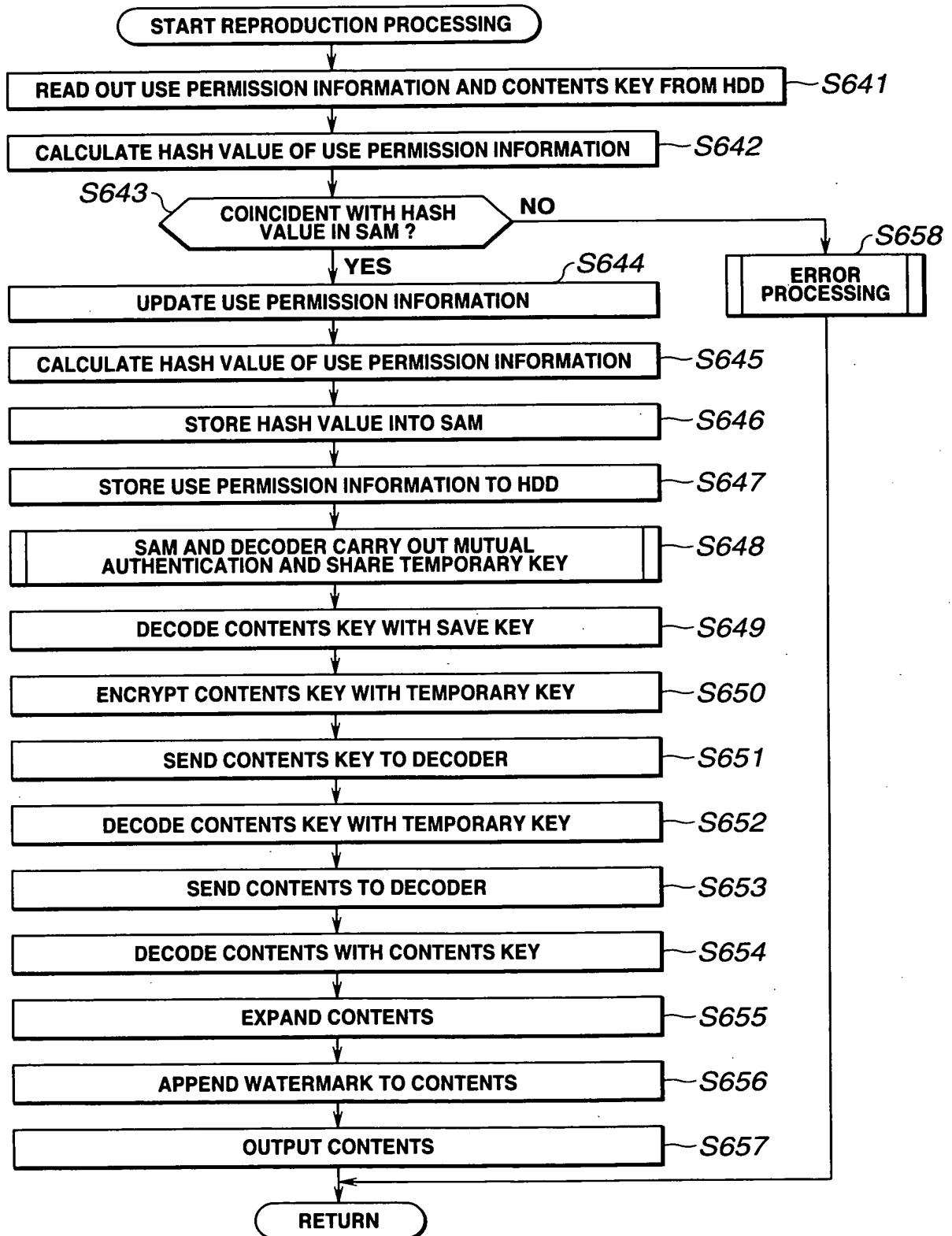


FIG.79

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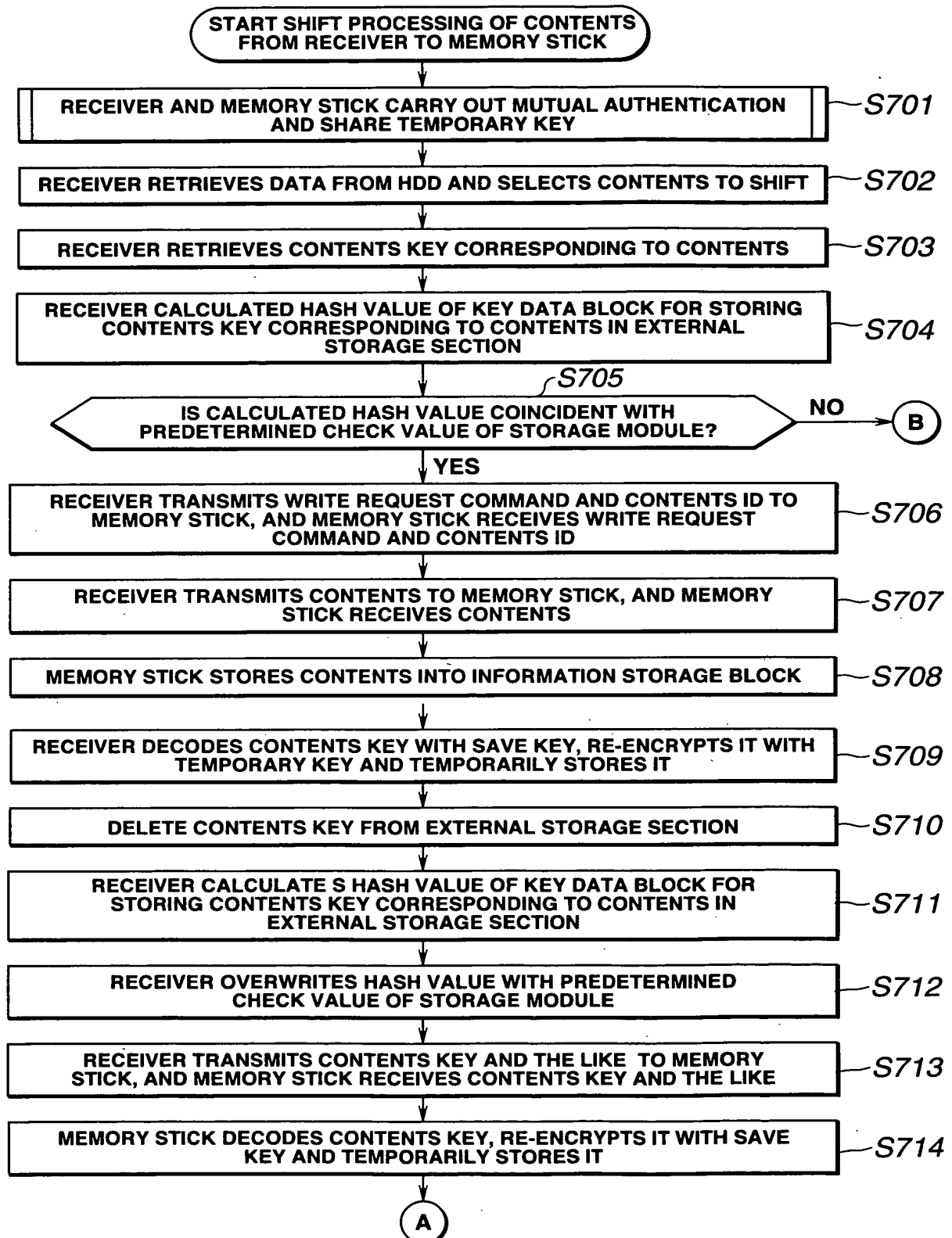
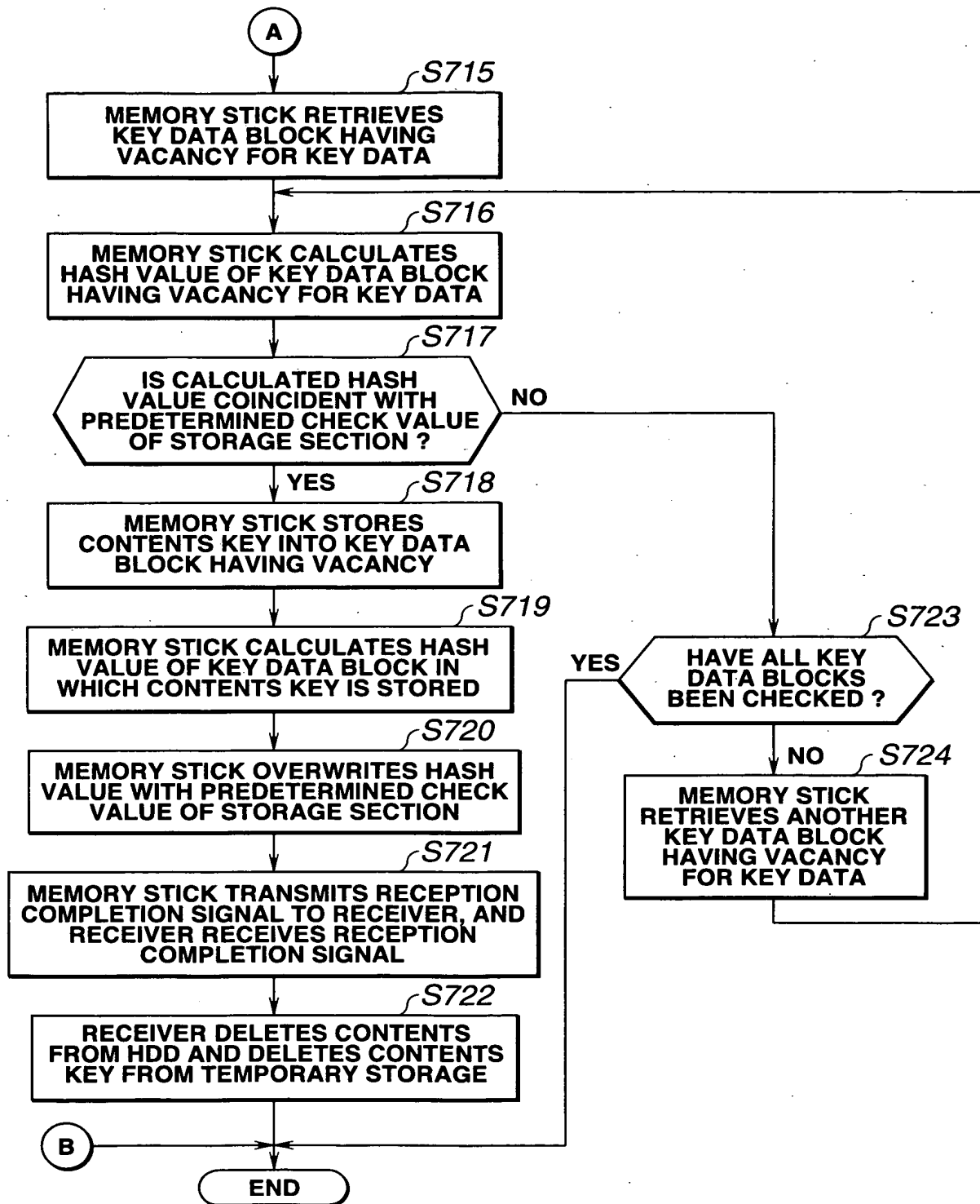


FIG.80



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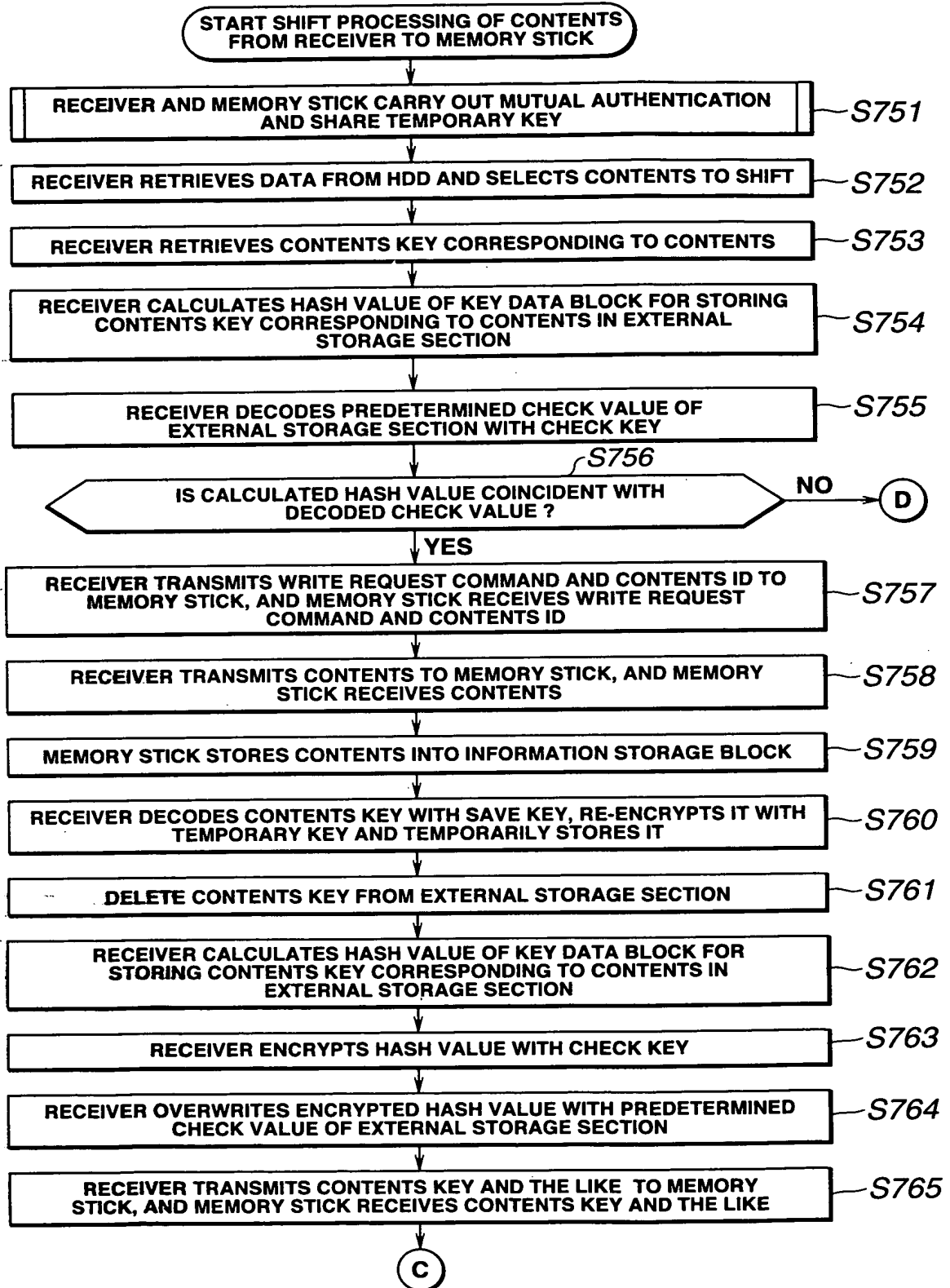


FIG.82

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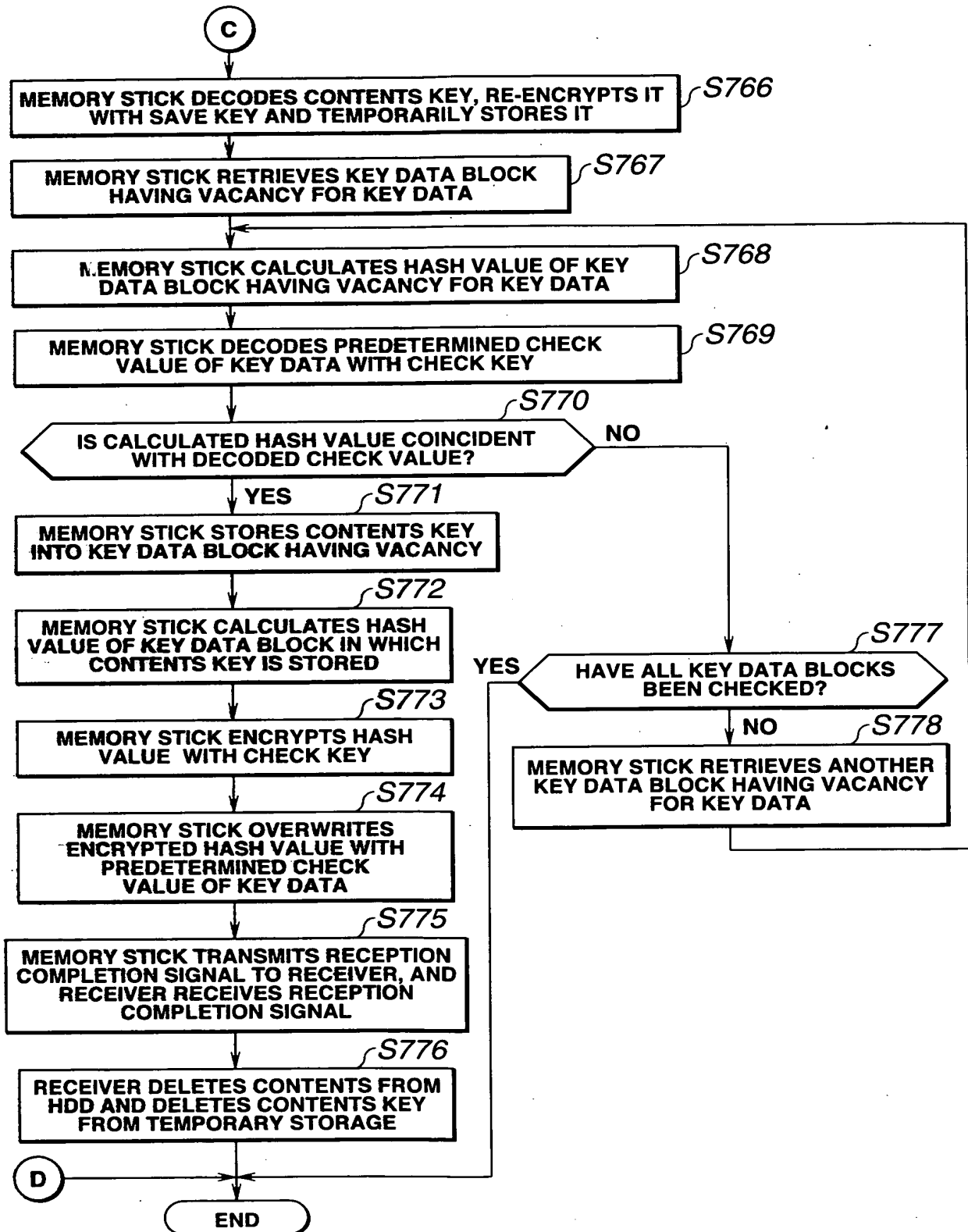


FIG.83

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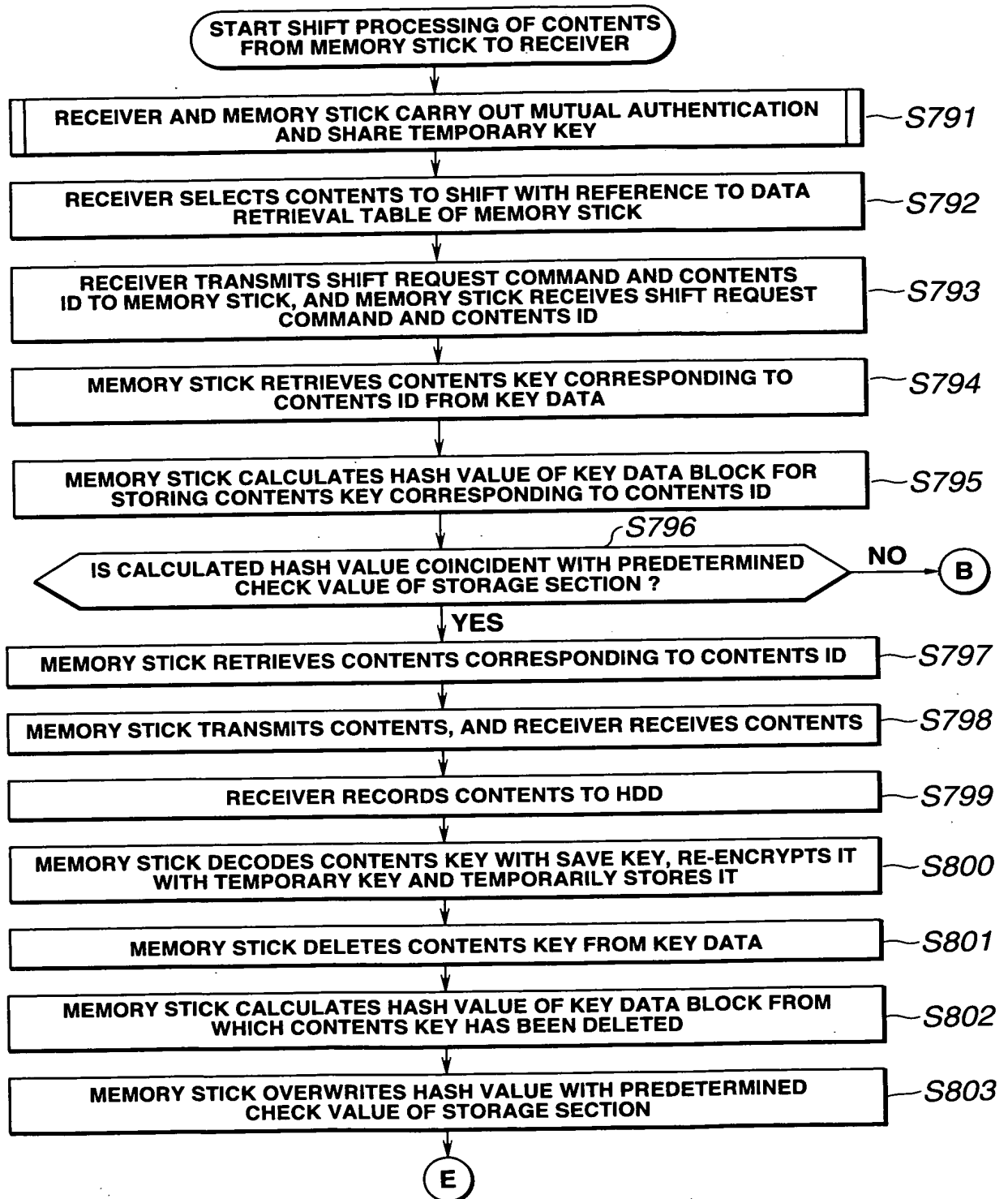


FIG.84

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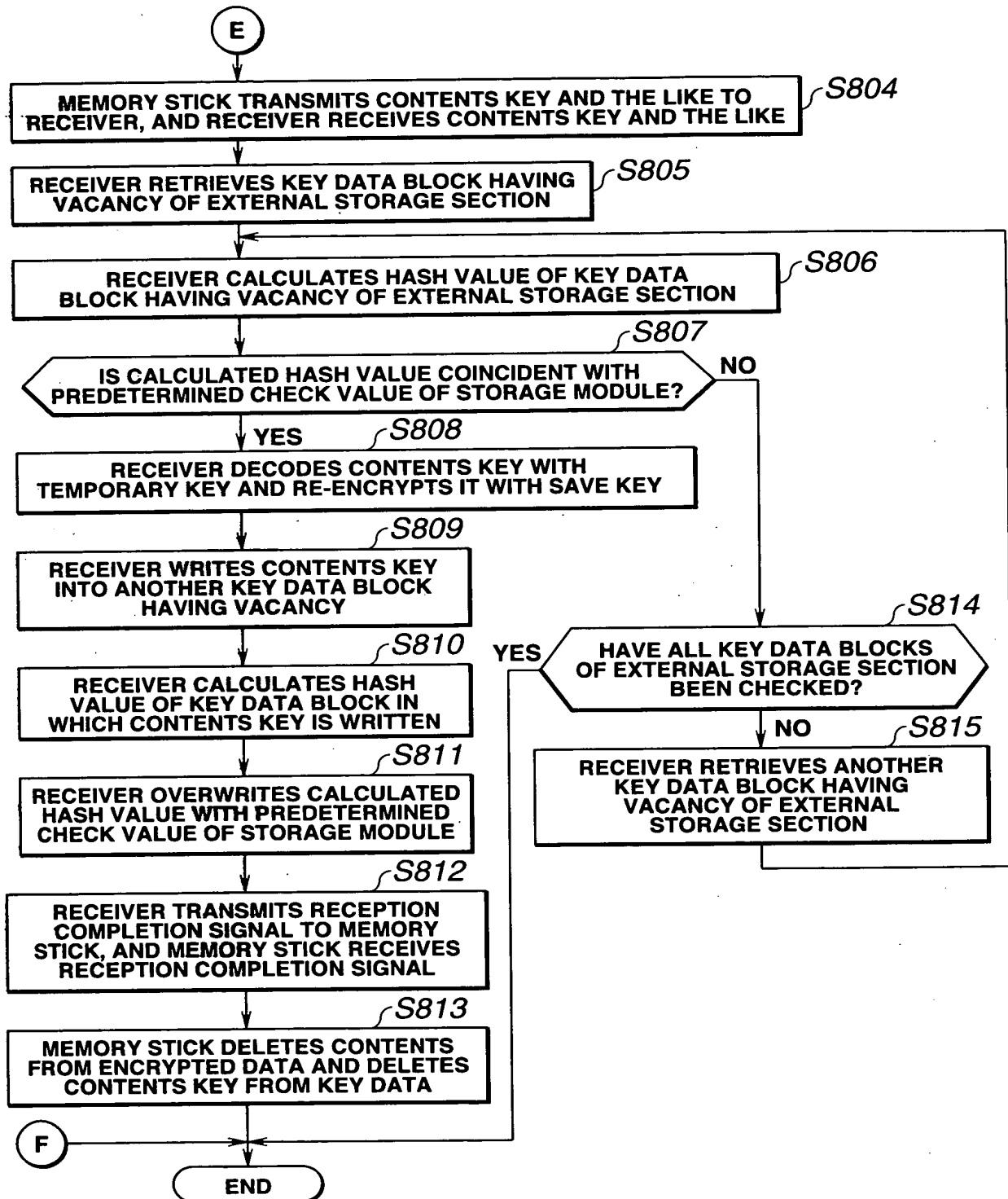


FIG.85

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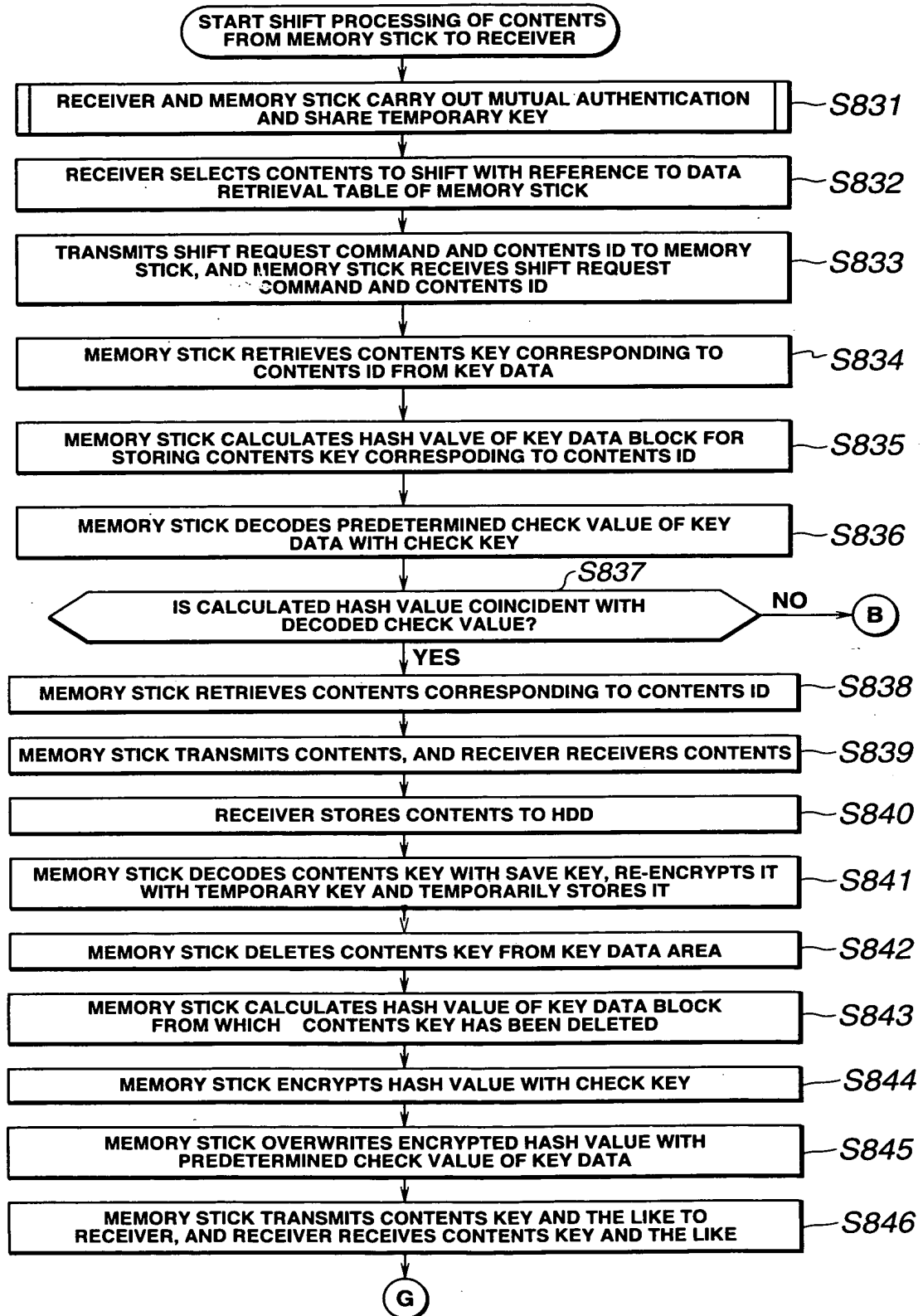


FIG.86

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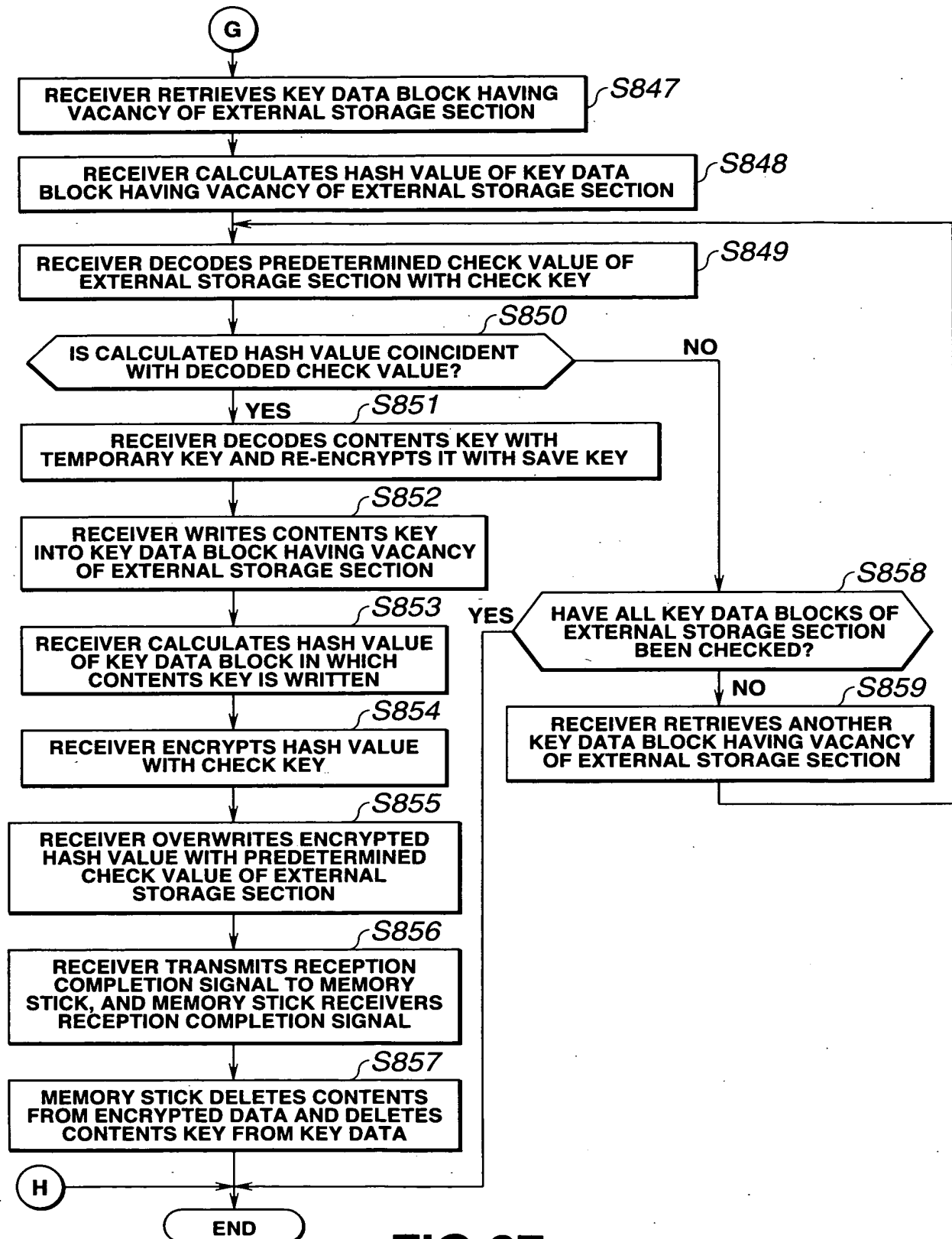


FIG.87

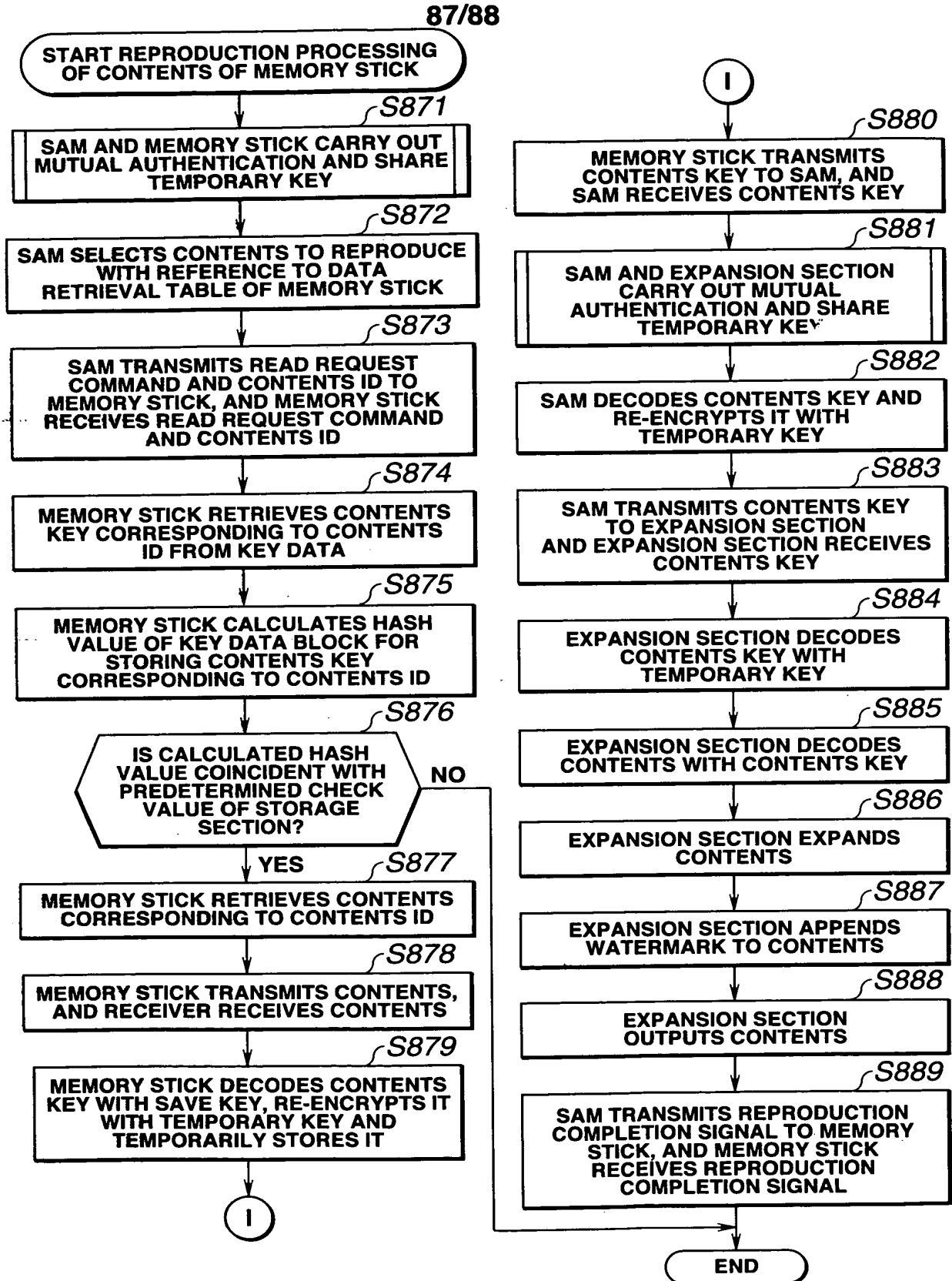


FIG.88

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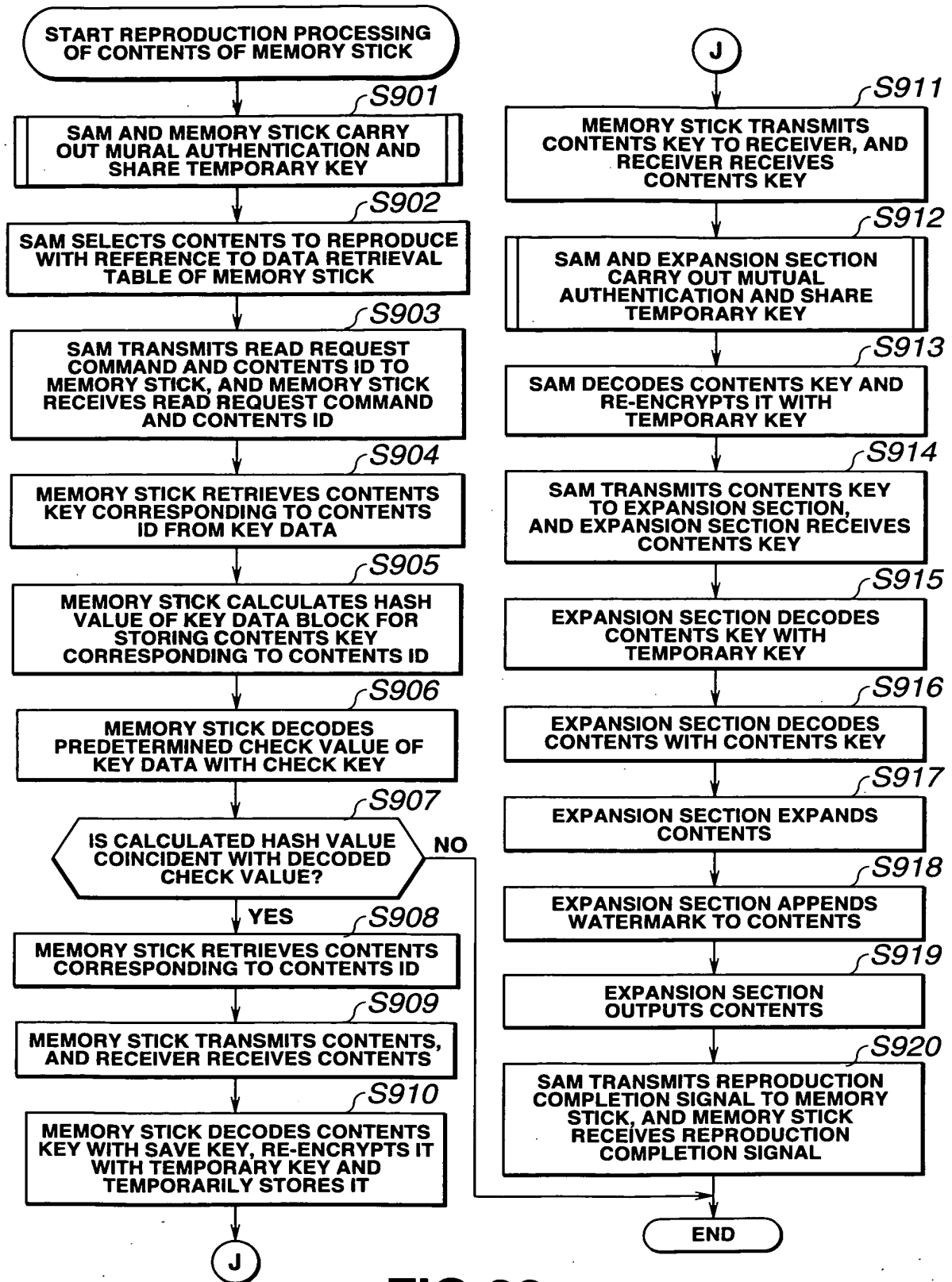


FIG.89